

6/2/2006

LaVene,

These are the Forms and Instructions
for the 1994 Residential Transportation Energy
Consumption Survey. I will have 1983-1991 forms
soon Mark

APPENDIX A: Forms and Instructions

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Section N: VEHICLES

N-1. Do you or other members of your household own or have the regular use of any cars, trucks, vans, or similar vehicles? (DO NOT INCLUDE MOTORCYCLES OR MOPEDS. SEE INSTRUCTIONS ON NEXT PAGE.)

YES 1
 NO 0 --> [BOX 20:
 PAGE 95]

913

INTERVIEWER: "REGULAR USE" MEANS THE VEHICLE IS KEPT AT HOME AND IS AVAILABLE FOR SOME PERSONAL USE.

N-2. How many do you have?

NUMBER OF VEHICLES:

914-15

N-2. IF HOUSEHOLD HAS MORE THAN EIGHT VEHICLES, MARK ANSWERS FOR THE EIGHT VEHICLES USED MOST. USE VEHICLE SUPPLEMENT FORM FOR VEHICLES 5-8.

INTERVIEWER READ TO RESPONDENT: "I'd like you to describe each vehicle your household owns or uses. First, let's start with the vehicle you use most often."

ASK SERIES OF QUESTIONS FOR EACH VEHICLE.

SPECIAL INSTRUCTIONS:

N-4. MODEL NAME: A MODEL NAME MAY CONSIST OF SEVERAL PARTS -- BE SURE TO GET THE COMPLETE MODEL NAME. HERE ARE SOME EXAMPLES, WHERE THE COMPLETE MODEL NAME IS IN PARENTHESES: FORD (GALAXY), CHEVROLET (V10 SUBURBAN, GMC (V15 JIMMY), TOYOTA (2WD CARGO VAN). IF RESPONDENT DOES NOT KNOW THE MODEL NAME OF A TRUCK, PROBE FOR SIZE (1/2 TON, 3/4 TON, ETC.)

N-30. EXPLAIN WHAT THE VIN IS IF RESPONDENT DOES NOT KNOW. IF RESPONDENT QUESTIONS NEED FOR VIN, SAY: "The VIN is a set of codes assigned to a vehicle at the factory that, when decoded, describes several of the vehicle's characteristics. These characteristics may then be used to calculate an estimated miles per gallon for that specific type of vehicle."

SHOW EXHIBIT N-30 OF POSSIBLE VIN LOCATIONS. ATTEMPT TO SECURE VIN FROM ONE OF THESE DOCUMENT SOURCES. RECORD THE VIN AND VERIFY FOR CORRECTNESS.

IF VEHICLE AVAILABLE--RECORD VIN FROM VEHICLE ITSELF.

VEHICLES PAGE

QUESTION	
N-3. What is the make?	MAKE
N-4. What is the <u>model name</u> ? (SEE INSTRUCTIONS)	MODEL
N-5. What is the <u>model year</u> ?	YEAR
N-6. Please turn to Exhibit N-6. What is the type of vehicle? (CIRCLE ONE). WRITE ADDITIONAL IDENTIFYING INFORMATION IN MARGIN.	CAR 01 STATION WAGON 02 LARGE VAN 03 MINI VAN 04 PICKUP TRUCK 05 SPORT-UTILITY VEHICLE .. 06 OTHER (SPECIFY): 21
N-7. Does it have an air conditioner?	YES 1 NO 0
N-8. Does it have an automatic transmission or manual shift?	AUTOMATIC TRANSMISSION 1 MANUAL SHIFT 2 DON'T KNOW 6
N-9. How many cylinders does the engine have?	3-CYLINDERS 03 4-CYLINDERS 04 5-CYLINDERS 05 6-CYLINDERS 06 8-CYLINDERS 08 OTHER 21 DON'T KNOW 96

	VEHICLE #1	VEHICLE #2	VEHICLE #3	VEHICLE #4
N-3.	MAKE 916-17	MAKE 992-93	MAKE 1067-68	MAKE 1153-54
N-4.	MODEL 918-19	MODEL 994-95	MODEL 1069-70	MODEL 1155-56
N-5.	19 _____ 920-21	19 _____ 996-97	19 _____ 1071-72	19 _____ 1157-58
N-6.	CAR 01 STATN WAGON .. 02 LARGE VAN 03 MINI VAN 04 PICK UP TRUCK . 05 SPORT UTILITY .. 06 _____ . 21 922-23	CAR 01 STATN WAGON .. 02 LARGE VAN 03 MINI VAN 04 PICK UP TRUCK . 05 SPORT UTILITY .. 06 _____ . 21 998-99	CAR 01 STATN WAGON .. 02 LARGE VAN 03 MINI VAN 04 PICK UP TRUCK . 05 SPORT UTILITY .. 06 _____ . 21 1073-74	CAR 01 STATN WAGON .. 02 LARGE VAN 03 MINI VAN 04 PICK UP TRUCK . 05 SPORT UTILITY .. 06 _____ . 21 1159-60
N-7.	YES 1 NO 0 924	YES 1 NO 0 1000	YES 1 NO 0 1075	YES 1 NO 0 1161
N-8.	AUTOMATIC 1 MANUAL 2 DON'T KNOW 6 925	AUTOMATIC 1 MANUAL 2 DON'T KNOW 6 1001	AUTOMATIC 1 MANUAL 2 DON'T KNOW 6 1076	AUTOMATIC 1 MANUAL 2 DON'T KNOW 6 1162
N-9.	3 CYLINDERS ... 03 4 CYLINDERS ... 04 5 CYLINDERS ... 05 6 CYLINDERS ... 06 8 CYLINDERS ... 08 OTHER 21 DON'T KNOW ... 96 926-27	3 CYLINDERS ... 03 4 CYLINDERS ... 04 5 CYLINDERS ... 05 6 CYLINDERS ... 06 8 CYLINDERS ... 08 OTHER 21 DON'T KNOW ... 96 1002-03	3 CYLINDERS ... 03 4 CYLINDERS ... 04 5 CYLINDERS ... 05 6 CYLINDERS ... 06 8 CYLINDERS ... 08 OTHER 21 DON'T KNOW ... 96 1077-78	3 CYLINDERS ... 03 4 CYLINDERS ... 04 5 CYLINDERS ... 05 6 CYLINDERS ... 06 8 CYLINDERS ... 08 OTHER 21 DON'T KNOW ... 96 1163-64

QUESTION	
N-10. Does it have front-wheel, rear-wheel, or 4-wheel drive? (IF RESPONDENT SAYS COMBINATION THAT INCLUDES 4-WHEEL DRIVE, MARK 4-WHEEL DRIVE.)	FRONT-WHEEL 1 REAR-WHEEL 2 4-WHEEL 3 OTHER: (Specify) 5 DON'T KNOW 6
N-11. Does the fuel system use a carburetor, fuel injection, or is it a diesel engine or an electric vehicle?	CARBURETOR 1 FUEL INJECTION 2 DIESEL 3-> [N-13] ELECTRIC 4-> [N-14] OTHER: (Specify) 5 DON'T KNOW 6
N-12. Please turn to Exhibit N-12. During the past year, what type of fuel did this vehicle use?	UNLEADED GASOLINE Regular (87-88.9 Octane) 01 Mid-grade (89-90.9 Octane) 02 Premium (91 or Greater Octane). 03 LEADED GASOLINE 04 ETHANOL BLEND (Gasohol) 05 NATURAL GAS 06 PROPANE 07 ALCOHOL 08 OTHER: (Specify) 21 DON'T KNOW 96
N-13. When fuel was purchased for this vehicle during the past year, was most of the fuel purchased at full-service pumps or self-service pumps? (IF "MINI-SERVICE," RECORD AS SELF-SERVICE.)	FULL-SERVICE 1 SELF-SERVICE 2 BOTH EQUALLY 3 OTHER: (Specify) 5 DON'T KNOW 6
N-14. Did you get this vehicle within the past 12 months or did you get it before that? (CIRCLE ONE, THEN ASK APPROPRIATE FOLLOW-UP QUESTION)	WITHIN PAST 12 MONTHS 1 BEFORE THAT 2-> [N-17]

	VEHICLE #1	VEHICLE #2	VEHICLE #3	VEHICLE #4
N-10.	FRONT WHEEL ... 1 REAR WHEEL ... 2 4 WHEEL 3 _____ 5 DON'T KNOW ... 6 928	FRONT WHEEL ... 1 REAR WHEEL 2 4 WHEEL 3 _____ 5 DON'T KNOW 6 1004	FRONT WHEEL ... 1 REAR WHEEL ... 2 4 WHEEL 3 _____ 5 DON'T KNOW ... 6 1079	FRONT WHEEL ... 1 REAR WHEEL 2 4 WHEEL 3 _____ 5 DON'T KNOW 6 1165
N-11.	CARBURETOR ... 1 FUEL INJECTION . 2 DIESEL->[N-13] . 3 ELECTRIC->[N-14] 4 _____ 5 DON'T KNOW ... 6 929	CARBURETOR 1 FUEL INJECTION . 2 DIESEL->[N-13] . 3 ELECTRIC->[N-14] 4 _____ 5 DON'T KNOW 6 1005	CARBURETOR ... 1 FUEL INJECTION . 2 DIESEL->[N-13] . 3 ELECTRIC->[N-14] 4 _____ 5 DON'T KNOW ... 6 1080	CARBURETOR 1 FUEL INJECTION . 2 DIESEL->[N-13] . 3 ELECTRIC->[N-14] 4 _____ 5 DON'T KNOW 6 1166
N-12.	UNLEADED GAS Reg. (87-88.9 oct).01 Mid. (89-90.9 oct).02 Prem. (91+ oct) .03 LEADED GAS 04 ETHANOL BND .. 05 NATURAL GAS .. 06 PROPANE 07 ALCOHOL 08 OTHER->[N-14] .21 DON'T KNOW ... 96 930-31	UNLEADED GAS Reg. (87-88.9 oct).01 Mid. (89-90.9 oct).02 Prem. (91+ oct) .03 LEADED GAS 04 ETHANOL BND .. 05 NATURAL GAS .. 06 PROPANE 07 ALCOHOL 08 OTHER->[N-14] .21 DON'T KNOW ... 96 1006-07	UNLEADED GAS Reg. (87-88.9 oct).01 Mid. (89-90.9 oct).02 Prem. (91+ oct) .03 LEADED GAS ... 04 ETHANOL BND . 05 NATURAL GAS . 06 PROPANE 07 ALCOHOL 08 OTHER->[N-14] 21 DON'T KNOW .. 96 1081-82	UNLEADED GAS Reg. (87-88.9 oct).01 Mid. (89-90.9 oct).02 Prem. (91+ oct) .03 LEADED GAS 04 ETHANOL BND .. 05 NATURAL GAS .. 06 PROPANE 07 ALCOHOL 08 OTHER->[N-14] .21 DON'T KNOW ... 96 1167-68
N-13.	FULL SERVICE ... 1 SELF SERVICE .. 2 BOTH 3 _____ 5 DON'T KNOW ... 6 932	FULL SERVICE 1 SELF SERVICE ... 2 BOTH 3 _____ 5 DON'T KNOW 6 1008	FULL SERVICE ... 1 SELF SERVICE .. 2 BOTH 3 _____ 5 DON'T KNOW ... 6 1083	FULL SERVICE 1 SELF SERVICE ... 2 BOTH 3 _____ 5 DON'T KNOW 6 1169
N-14.	WITHIN 12 MNTHS 1 BEFORE->[N-17] 2 933	WITHIN 12 MNTHS . 1 BEFORE->[N-17] . 2 1009	WITHIN 12 MNTHS 1 BEFORE->[N-17] 2 1084	WITHIN 12 MNTHS . 1 BEFORE->[N-17] . 2 1170

QUESTION	
IF "WITHIN PAST 12 MONTHS," ASK:	MONTH
N-15. In what month and year did you get it?	YEAR
N-16. Approximately how many miles has it been driven since you obtained it?	MILES
IF "BEFORE THAT," ASK:	MILES PAST 12 MOS.
N-17. Approximately how many miles has it been driven in the past 12 months?	
N-18. What is your best estimate of the average miles per gallon (MPG) for this vehicle?	MPG DON'T KNOW 6
N-19. Please look at Exhibit N-19. What is the basis for your estimate of miles per gallon?	FUEL PURCHASE LOG 1 COMPUTER 2 ADVERTISED 3 ROUGH ESTIMATE 4 DON'T KNOW 6
N-20. What is the sex of the household member who usually drives this vehicle?	FEMALE 1 MALE 2 DON'T KNOW DRIVER 6
N-21. What is the approximate age of the household member who usually drives this vehicle?	AGE DON'T KNOW AGE 96

	VEHICLE #1	VEHICLE #2	VEHICLE #3	VEHICLE #4
N-15.	MONTH YEAR 934-37	MONTH YEAR 1010-13	MONTH YEAR 1085-88	MONTH YEAR 1171-74
N-16.	MILES 938-42	MILES 1014-18	MILES 1089-93	MILES ->[N-18] 1175-79
N-17.	MILES 943-47	MILES 1019-23	MILES 1094-98	MILES 1180-84
N-18.	MPG DK->[N-20] 96 948-49	MPG DK->[N-20] ... 96 1024-25	MPG DK->[N-20] ... 96 1099-1100	MPG DK->[N-20] 96 1185-86
N-19.	LOG 1 COMPUTER 2 ADVERTISED 3 ESTIMATE 4 DON'T KNOW ... 6 950	LOG 1 COMPUTER 2 ADVERTISED 3 ESTIMATE 4 DON'T KNOW ... 6 1026	LOG 1 COMPUTER 2 ADVERTISED 3 ESTIMATE 4 DON'T KNOW ... 6 1101	LOG 1 COMPUTER 2 ADVERTISED 3 ESTIMATE 4 DON'T KNOW ... 6 1187
N-20.	FEMALE 1 MALE 2 DON'T KNOW ... 6 951	FEMALE 1 MALE 2 DON'T KNOW ... 6 1027	FEMALE 1 MALE 2 DON'T KNOW ... 6 1102	FEMALE 1 MALE 2 DON'T KNOW ... 6 1188
N-21.	AGE DON'T KNOW ... 96 952-53	AGE DON'T KNOW ... 96 1028-29	AGE DON'T KNOW ... 96 1103-04	AGE DON'T KNOW ... 96 1189-90

QUESTION	
N-22. Please look at Exhibit N-22. Where is this vehicle usually parked at home?	GARAGE 1 CARPORT 2 DRIVEWAY 3 STREET 4 PARKING LOT 5 PARKING GARAGE 6 IT VARIES 7 OTHER: (Specify) _____ 8
N-23. Other than commuting, is this vehicle used for business purposes?	YES 1 NO 0 DON'T KNOW 6
IF USED FOR BUSINESS PURPOSES, ASK:	
N-24. What percent of total miles is for business purposes?	PERCENT DON'T KNOW 96
N-25. Is this vehicle owned or leased by your employer?	YES 1 NO 0 DON'T KNOW 6
IF "YES" ON N-25, ASK:	
N-26. Please look at Exhibit N-26. How would you best describe the organization or business that owns or leases this vehicle?	POLICE/FIRE 1 OTHER GOVERNMENT 2 TAXI 3 UTILITY COMPANY 4 SALES 5 AUTO DEALER 6 OTHER BUSINESS 7
N-27. Is this vehicle refueled at a central site?	YES 1 NO 0 DON'T KNOW 6

	VEHICLE #1	VEHICLE #2	VEHICLE #3	VEHICLE #4
N-22.	GARAGE 1 CARPORT 2 DRIVEWAY 3 STREET 4 PARKING LOT ... 5 PARKING GARAGE 6 VARIES 7 _____ 8 954	GARAGE 1 CARPORT 2 DRIVEWAY 3 STREET 4 PARKING LOT 5 PARKING GARAGE 6 VARIES 7 _____ 8 1030	GARAGE 1 CARPORT 2 DRIVEWAY 3 STREET 4 PARKING LOT 5 PARKING GARAGE 6 VARIES 7 _____ 8 1105	GARAGE 1 CARPORT 2 DRIVEWAY 3 STREET 4 PARKING LOT 5 PARKING GARAGE 6 VARIES 7 _____ 8 1191
N-23.	YES 1 NO->[N-28] 0 DON'T KNOW ... 6 955	YES 1 NO->[N-28] 0 DON'T KNOW ... 6 1031	YES 1 NO->[N-28] 0 DON'T KNOW ... 6 1106	YES 1 NO->[N-28] 0 DON'T KNOW ... 6 1192
N-24.	_____ DON'T KNOW .. 96 956-57	_____ DON'T KNOW ... 96 1032-33	_____ DON'T KNOW ... 96 1107-08	_____ DON'T KNOW 96 1193-94
N-25.	YES 1 NO->[N-28] 0 DK->[N-28] 6 958	YES 1 NO->[N-28] 0 DK->[N-28] 6 1034	YES 1 NO->[N-28] 0 DK->[N-28] 6 1109	YES 1 NO->[N-28] 0 DK->[N-28] 6 1195
N-26.	POLICE/FIRE 1 OTHER GOVN ... 2 TAXI 3 UTIL COMPANY .. 4 SALES 5 AUTO DEALER ... 6 OTHR BUSINESS . 7 959	POLICE/FIRE 1 OTHER GOVN ... 2 TAXI 3 UTIL COMPANY .. 4 SALES 5 AUTO DEALER ... 6 OTHR BUSINESS . 7 1035	POLICE/FIRE 1 OTHER GOVN ... 2 TAXI 3 UTIL COMPANY .. 4 SALES 5 AUTO DEALER ... 6 OTHR BUSINESS . 7 1110	POLICE/FIRE 1 OTHER GOVN ... 2 TAXI 3 UTIL COMPANY .. 4 SALES 5 AUTO DEALER ... 6 OTHR BUSINESS . 7 1196
N-27.	YES 1 NO 0 DON'T KNOW ... 6 960	YES 1 NO 0 DON'T KNOW ... 6 1036	YES 1 NO 0 DON'T KNOW ... 6 1111	YES 1 NO 0 DON'T KNOW ... 6 1197

QUESTION	
N-28. Is the vehicle here now? (CIRCLE ANSWER, READ APPROPRIATE FOLLOW-UP QUESTION.)	YES VEHICLE HERE 1 NO 0->[N29]
IF "YES," READ: I would like to get the Vehicle Identification Number and odometer reading <u>directly</u> from the vehicle. I'll do that at the end of the interview. Do you know what a Vehicle Identification Number or VIN is? (IF DON'T KNOW, EXPLAIN VIN BY SHOWING EXHIBIT N-30. THEN, ASK QUESTIONS N-3 THRU N-30 FOR NEXT VEHICLE.	
N-29. ODOMETER READING RECORD FROM OBSERVATION OR ASK IF "NO" ON N-28.: Approximately what is the odometer reading for this vehicle? RECORD WHETHER ACTUAL OR ESTIMATE.	ODOMETER Actual Reading 1 Estimate 2 DON'T KNOW 6
N-30. VEHICLE IDENTIFICATION NUMBER I would like to get the Vehicle Identification Number or VIN Number for this vehicle. Do you know what the VIN Number is? (IF DON'T KNOW, EXPLAIN VIN BY SHOWING EXHIBIT N-30.) RECORD FROM OBSERVATION OR ASK IF "NO" ON N-28: Do you have any records that may contain the VIN Number such as an insurance card, registration, title, or bill of sale?	VIN FROM OBSERVATION 4 VIN FROM RECORDS 5 VIN REFUSED 7 VIN NOT OBTAINED 8

INTERVIEWER: ASK N-3 THRU N-30 FOR NEXT VEHICLE.

	VEHICLE #1	VEHICLE #2	VEHICLE #3	VEHICLE #4
N-28.	HERE 1 NO-> [N-29] 0 961	HERE 1 NO-> [N-29] 0 1037	HERE 1 NO-> [N-29] 0 1112	HERE 1 NO-> [N-29] 0 1198
	962-67	1038-43	1113-18	1199-1204
N-29.	(Circle One) ACTUAL 1 ESTIMATE 2 DON'T KNOW ... 6 968	(Circle One) ACTUAL 1 ESTIMATE 2 DON'T KNOW ... 6 1044	(Circle One) ACTUAL 1 ESTIMATE 2 DON'T KNOW ... 6 1119	(Circle One) ACTUAL 1 ESTIMATE 2 DON'T KNOW ... 6 1205
N-30.	OBSERVATION .. 4 RECORDS 5 REFUSED 7 NOT OBTAINED .. 8 GET VIN #, WRITE IN NEXT PAGE ↓ 969	OBSERVATION .. 4 RECORDS 5 REFUSED 7 NOT OBTAINED .. 8 GET VIN #, WRITE IN NEXT PAGE ↓ 1045	OBSERVATION .. 4 RECORDS 5 REFUSED 7 NOT OBTAINED .. 8 GET VIN #, WRITE IN NEXT PAGE ↓ 1120	OBSERVATION 4 RECORDS 5 REFUSED 7 NOT OBTAINED 8 GET VIN #, WRITE IN NEXT PAGE ↓ 1206

VIN #1:

970 ----- 986

VIN #2

1046 ----- 1062

VIN #3

1121 ----- 1137

VIN #4

1207 ----- 1223

Response Analysis

377 Wall Street • P.O. Box 158 • Princeton, NJ • 08542-0158 • 609 921 3333 • Fax 609 921 2611

March 2, 1994

7~4~4~ 5~5~ 6~6~ 7~Resident

8~

9~, 10~ 11~

Dear 4~4~ 7~Friend:

Thank you for your recent participation in the nationwide 1993 Residential Energy Consumption Survey (RECS) conducted by Response Analysis Corporation for the United States Department of Energy. Through your cooperation and that of other households like yours, the Department of Energy receives valuable data that enables them to evaluate national energy trends and to plan for our nation's future energy needs.

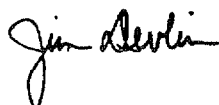
To ensure that we have complete and accurate information for your household, we are contacting you with an important request that will take only a few minutes of your time. We are missing an actual odometer reading and/or a Vehicle Identification Number (VIN) for one or more of your household's vehicles. We need information only for the vehicle(s) described on the yellow card. For each vehicle, please record the information (odometer reading or VIN) only where indicated by an "X" or a "✓" in the box (□). Refer to the top of the yellow card for further information.

When you are finished filling in the requested information, tear off the bottom half of the yellow card and drop this postcard in the mail. You don't need a stamp — we have already paid for the postage.

The RECS is authorized by and is being conducted under the Federal Energy Information Act of 1974 (Public Law 93-275), as amended, and the Energy Policy Act of 1992. Your continued participation in the study is voluntary; please remember, however, that your identity and any information you provide will be kept strictly confidential in accordance with the provisions of the Privacy Act of 1974.

If you have any questions, please call me toll-free at 1 (800) 888-9213. If you would like to speak with someone at the Department of Energy, please call Stephanie Battles at 1 (202) 586-7237. To save taxpayers' money, she will take your name and phone number and call you right back. Thank you again for making this valuable research a success!

Sincerely,



Jim Devlin
Project Manager

Enclosure

INSTRUCTIONS FOR USING THE VEHICLE INFORMATION CARD

During your interview, we were unable to obtain the odometer reading (total mileage) and/or Vehicle Identification Number (VIN) for one or more of your household's vehicles. We now need your help in making our records complete. We have placed a checkmark in the box next to each missing item. Please record this information, then detach and return the bottom portion of this card (we pay the postage) as soon as possible. We really appreciate your help. Following are a few questions that you may have -- and their answers.

"Which of my vehicles do you need this information for?"

We need information only for vehicles that are described in the box on the card below.

"What information do you need for each of my vehicles?"

The missing information that we need you to supply for a vehicle is indicated by a "✓" or "X" in the box below. We are asking you to supply only the information that we were not able to collect during your interview.

"How exact an odometer reading do you want?"

It is very important that you actually go to the vehicle and take an exact mileage reading from the odometer.

"What exactly is a VIN? Why do you need it . . . and where do I find it?"

Every vehicle is assigned a VIN (Vehicle Identification Number) at the factory. The VIN contains encoded information about the vehicle's characteristics -- such as engine size and type of transmission. We use your vehicle's VIN to get this information, which we'll then use to calculate the fuel efficiency of vehicles like yours. You can find the VIN at the base of the windshield in front of the steering wheel (look through the windshield from the outside), on the driver's side door post or door sill, or on certain Motor Vehicle Department documents (such as the vehicle title or registration).

PLEASE TEAR OFF CARD BELOW AT PERFORATION BEFORE MAILING

United States Department of Energy -- 1993 Residential Energy Consumption Survey VEHICLE INFORMATION CARD

Location Number: _____ - _____ Housing Unit Number: _____

During your interview, we were unable to get the odometer reading (total mileage) and/or Vehicle Identification Number (VIN) for each vehicle described in the box below. As soon as possible, please provide the information indicated by the checked box or boxes. Please print the information on the blank lines below. After you are finished with the card, simply drop it in the mail -- NO POSTAGE IS NECESSARY.

PLEASE PROVIDE THE MISSING INFORMATION FOR THE ITEMS CHECKED BELOW.

VEH —	Year: 19	Make:	Model:
	<input type="checkbox"/> Odometer Reading: _____	<input type="checkbox"/> Vehicle ID Num (VIN): _____	
VEH —	Year: 19	Make:	Model:
	<input type="checkbox"/> Odometer Reading: _____	<input type="checkbox"/> Vehicle ID Num (VIN): _____	
VEH —	Year: 19	Make:	Model:
	<input type="checkbox"/> Odometer Reading: _____	<input type="checkbox"/> Vehicle ID Num (VIN): _____	
VEH —	Year: 19	Make:	Model:
	<input type="checkbox"/> Odometer Reading: _____	<input type="checkbox"/> Vehicle ID Num (VIN): _____	

If you have any questions, please call Jim Devlin, toll-free, at 1 (800) 950-7654. Thank You!

14. How do you pay for your air-conditioning costs? (143)
- 1 ☐ We pay directly to the gas or electric company
- 2 ☐ The cost is included in the rent for our home (house or apartment)
- 3 ☐ Other (SPECIFY): _____
15. How do you pay for your electricity costs for lighting and household appliances other than air-conditioning? (144)
- 1 ☐ We pay directly to the electric company
- 2 ☐ The cost is included in the rent for our home (house or apartment)
- 3 ☐ Other (SPECIFY): _____

Vehicles

16. How many cars, trucks, vans, motor homes, or similar vehicles do you or other members of your household own or have the regular use of? (Include station wagons, passenger vans, cargo vans, jeeps, or similar vehicles and company vehicles kept at home. Do not count motorcycles or mopeds.) (145-46)
- Number of vehicles
- 0 ☐ None (If "None," please skip to question 22.)

Please describe each car, truck, van, motor home, or similar vehicle below. If you have more than five vehicles, describe the five used most by your household.

17. VEHICLE #1 Type:
- Make: _____ 01 ☐ Car
- Model Name: _____ 02 ☐ Station wagon
- Model Year: 19_____ 03 ☐ Large van
- 04 ☐ Mini van (147-78)
- 05 ☐ Pickup truck
- 06 ☐ Sport-utility vehicle
- 21 ☐ Other (SPECIFY): _____
18. VEHICLE #2 Type:
- Make: _____ 01 ☐ Car
- Model Name: _____ 02 ☐ Station wagon (179-210)
- Model Year: 19_____ 03 ☐ Large van
- 04 ☐ Mini van
- 05 ☐ Pickup truck
- 06 ☐ Sport-utility vehicle
- 21 ☐ Other (SPECIFY): _____

19. VEHICLE #3

Type:

Make: _____

Model Name: _____

Model Year: 19 _____

01 ☐ Car

02 ☐ Station wagon

03 ☐ Large van

04 ☐ Mini van

05 ☐ Pickup truck

06 ☐ Sport-utility vehicle

21 ☐ Other (SPECIFY): _____

(211-42)

20. VEHICLE #4

Type:

Make: _____

Model Name: _____

Model Year: 19 _____

01 ☐ Car

02 ☐ Station wagon

03 ☐ Large van

04 ☐ Mini van

05 ☐ Pickup truck

06 ☐ Sport-utility vehicle

21 ☐ Other (SPECIFY): _____

(243-74)

21. VEHICLE #5

Type:

Make: _____

Model Name: _____

Model Year: 19 _____

01 ☐ Car

02 ☐ Station wagon

03 ☐ Large van

04 ☐ Mini van

05 ☐ Pickup truck

06 ☐ Sport-utility vehicle

21 ☐ Other (SPECIFY): _____

(275-306)

For Statistical Purposes

All information is confidential.

- 22.** How many people live in your household, including yourself? (Please count children as well as adults. Include all members of your household whether or not they are related to you.)

Number of people in household

(307-08)

- 23.** What is the age of the head of your household?

Age (years)

(309-10)

- 24.** What is the gender of the head of your household?

1 ☐ Female

2 ☐ Male

(311)

INSTRUCTIONS FOR ASSEMBLING RTECS MID-YEAR MAILINGS

There are two cells of households to which we will mail RTECS mid-year materials: telephone households and mail households. The mailings should be assembled separately for the respective groups. Following is a list of materials that are needed to assemble the mailings for each group.

The packages for the telephone households should be assembled before those for mail households.

VERY IMPORTANT: There is a four-digit household ID number on the address and vehicle labels. When assembling the mailings, the person or persons doing the assembly should always check that the HHID numbers on all of the labels match.

TELEPHONE HOUSEHOLDS

- ✓ ***Address Labels, Mailing Envelope.*** One per household was printed without a telephone number. Affix to the center of the mailing envelope. All should be used when the mailings have all been assembled. *Anne W. will be printing these. The blank labels are on the shelf between Lauren's and Anne's offices.*
- ✓ ***Mailing Envelope.*** Affix a mailing address label to the center of the envelope. Stuff these as described below. Do not seal. *There are seven boxes of these (in two stacks) in the hallway outside of Tabatha's office.*
- ✓ ***Address Labels, Vehicle Update Worksheet.*** One per household was printed with a telephone number. Affix to the bottom-center of the cover of the pink Vehicle Update Worksheet. *Anne W. will be printing these. The blank labels are on the shelf between Lauren's and Anne's offices.*
- ✓ ***Vehicle Labels.*** For almost all households, there will be one per household. Stick it in the open space before Q. 1 on Page 2 of the pink Vehicle Update Worksheet. **Caution:** One to two dozen households may have more than one vehicle label. For these cases, use a second pink Vehicle Update Worksheet. Put these packages aside and give them to Adrian separately as they may need additional postage. *Anne W. will be printing these. The blank labels are on the shelf between Lauren's and Anne's offices.*
- ✓ ***Vehicle Update Worksheet (Pink).*** Affix an address label for the vehicle update worksheet (with the phone number) to the bottom-center of the cover; stick a vehicle label in the open space above Q. 1. *There are two boxes of these in the hallway outside of Tabatha's office.*
- ✓ ***DOE Letter, Telephone Households.*** Be sure that the correct letter is being used; the two DOE letters practically identical. One per mailing. *These are currently on the shelf between Lauren's and Anne's offices.*

Please put the letter on top of the pink vehicle update worksheet when they are stuffed into the envelope.

MAIL HOUSEHOLDS

- ✓ **Address Labels, Mailing Envelope.** Same as for Telephone Households, except, of course, for a different group of households.
- ✓ **Mailing Envelope.** Same as for Telephone Households.
- ✓ **Address Labels, Vehicle Update Form.** One per household was printed; however, there are no telephone numbers to print on these. Affix to the bottom-center of the cover of the white Vehicle Update Form. *Anne W. will be printing these. The blank labels are on the shelf between Lauren's and Anne's offices.*
- ✓ **Vehicle Labels.** For almost all households, there will be one per household. Stick it in the open space before Q. 1 on Page 2 of the white Vehicle Update Form. **Caution:** A few households may have more than one vehicle label. For these cases, use a second white Vehicle Update Form. Put these packages aside and give them to Adrian separately as they may need additional postage. *Anne W. will be printing these. The blank labels are on the shelf between Lauren's and Anne's offices.*
- ✓ **Vehicle Update Form (White).** Affix an address label for the vehicle update form to the bottom-center of the cover; stick a vehicle label in the open space above Q. 1. *There is a small box of these in the hallway outside of Tabatha's office.*
- ✓ **DOE Letter, Mail Households.** Be sure that the correct letter is being used; the two DOE letters practically identical. One per mailing. *These are currently on the shelf between Lauren's and Anne's offices.*
- ✓ **Business-Reply Envelopes.** One per household. *These are currently on the shelf between Lauren's and Anne's offices on the top shelf.*

Please put the letter on top of the business-reply envelope and white vehicle update form when they are stuffed into the envelope.

DELIVERING THE MAILINGS TO THE MAILROOM

Please take whatever mailings have been assembled to the mailroom around 2:30 p.m. so that Adrian has enough time to get them sealed and stamped for the messenger. At 3:30 p.m., take whatever mailings have been assembled since 2:30 to the mailroom so Adrian can get those out as well.



Department of Energy
Washington, DC 20585

July 1994

Thank You!

Last winter you participated in the U.S. Department of Energy's (DOE) Residential Energy Consumption Survey (RECS). In conjunction with the RECS, DOE also conducts the Residential Transportation Energy Consumption Survey (RTECS), which concentrates on energy used for personal transportation. This RTECS information, when linked with the energy consumption used in the home (from the RECS), provides information on all energy used in the residential sector. Response Analysis Corporation is the data collection contractor for DOE for both surveys.

As part of the RTECS, we now need to update information and ask a few additional questions concerning your vehicles and their use. Information obtained from you will represent thousands of other households that have similar vehicles.

We hope that you will assist us by completing the enclosed worksheet. It will only take a few minutes. After filling out the worksheet, please return it in the enclosed postage paid envelope.

The information you provide and your identity will be held strictly confidential in accordance with the provisions of the Privacy Act of 1974. (See the statement on the other side of this letter for further details on the Privacy Act and public reporting burden.) No information linking your name and address with the data you provide will ever be given to the Department of Energy or to any other government agency.

Your participation is very important to the success of this research and is totally voluntary. Please call Jim Devlin of Response Analysis Corporation toll-free at 1-800-888-9213 if you have any questions about this survey. Thank you again for your cooperation.

Sincerely,

A handwritten signature in dark ink, reading "Lynda T. Carlson". The signature is fluid and cursive, with the first name "Lynda" being the most prominent part.

Lynda T. Carlson
Director, Energy End Use and
Integrated Statistics Division
Energy Information Administration

2 Enclosures

PRIVACY ACT NOTICE

This Residential Transportation Energy Consumption Survey (RTECS) is being conducted by the Response Analysis Corporation for the U.S. Department of Energy. It is authorized under Section 52 of the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended.

The purpose of this survey is to collect information on vehicles used by households for personal use to help the Department of Energy and other Federal agencies to administer programs, assess energy usage, and plan for our energy future.

Once the data about vehicle consumption and expenditures have been linked with the information describing your household and we have concluded our planned contacts with your household, all information linking the data with your name and address will be destroyed.

The Department of Energy will receive only your answers, not your name or address. Your answers will be screened to protect your identity; neither the Department of Energy, nor any other Government agency, will be able to locate your household.

Your participation in this survey is voluntary.

PUBLIC REPORTING BURDEN

Public reporting burden is estimated to average 15 minutes for the telephone interview and completion of the enclosed form.

Send comments regarding public reporting burden or any other aspects of this collection of information, including suggestions for reducing this burden to:

Energy Information Administration
Office of Statistical Standards
EI-73, Room 205
1707 H Street, Northwest
Washington, D.C. 20585

and

Office of Information and Regulatory Affairs
Office of Management and Budget
Washington, D.C. 20503



ENERGY INFORMATION ADMINISTRATION

U.S. DEPARTMENT OF ENERGY

1994 RESIDENTIAL TRANSPORTATION ENERGY CONSUMPTION SURVEY

VEHICLE UPDATE FORM

**AFTER YOU HAVE FILLED IN THE INFORMATION REQUESTED, PLEASE
RETURN THE FORM TO THE U. S. DEPARTMENT OF ENERGY, c/o RESPONSE
ANALYSIS CORPORATION, BOX 7335, PRINCETON, NJ 08543-9967, USING THE
ENCLOSED SELF-ADDRESSED, BUSINESS-REPLY ENVELOPE.**

This survey is voluntary and is authorized under the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended. Information about specific households will be kept strictly confidential. The data will be screened to protect the identity of individual households and summarized within large groupings for statistical purposes. Public reporting burden for this collection is estimated to average 5 minutes. Send comments regarding public reporting burden to: Energy Information Administration, Office of Statistical Standards, EI-73, Mail Stop 2F-081, 1000 Independence Avenue SW, Washington, DC 20585, and Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

VEHICLE UPDATE FORM

We are now halfway through the survey year for the 1994 Residential Transportation Energy Consumption Survey. We need to make sure that we have current information about the vehicles in your household.

When we last contacted you, you had the vehicles described below:

QUESTION 1: Does your household still have the use of all of the vehicles listed above?

- ☐ YES, STILL HAVE ALL VEHICLES --> **SKIP TO QUESTION 2 ON THE NEXT PAGE**
- ☐ NO --> **ANSWER QUESTIONS "A" THROUGH "C" FOR EACH VEHICLE DISPOSED OF.**

If you disposed of only one vehicle, put your answers in Column 1.

If you disposed of a second vehicle, use Column 2 for that vehicle.

VEHICLE DISPOSITION QUESTIONS

QUESTION	COLUMN 1	COLUMN 2
A. Which vehicle do you no longer have?	Year: 19_____ Make: _____ Model: _____	Year: 19_____ Make: _____ Model: _____
B. When did you sell or dispose of it? (GIVE YOUR BEST ESTIMATE)	Month: _____ Day: _____ Year: _____	Month: _____ Day: _____ Year: _____
C. What was the odometer reading (total mileage) when the vehicle was sold or disposed of? (GIVE YOUR BEST ESTIMATE)	_____ (Odometer Reading) <input type="checkbox"/> Don't Know	_____ (Odometer Reading) <input type="checkbox"/> Don't Know

NOW CONTINUE WITH QUESTION 2 ON THE NEXT PAGE ———>

QUESTION 2: Has your household bought or acquired any cars, trucks, vans, jeeps, sport-utility vehicles, or similar vehicles that are not listed on the label on the facing page? Please do not include motorcycles, mopeds, heavy trucks, antique or race vehicles, or any vehicles used solely for business purposes.

☐ NO, HAVE NOT BOUGHT OR ACQUIRED ANY OTHER VEHICLE
—> *CONTINUE WITH QUESTION 3 ON THE NEXT PAGE*

☐ YES, HAVE BOUGHT OR ACQUIRED ANOTHER VEHICLE
—> *PLEASE ANSWER QUESTIONS "A" THROUGH "D" BELOW
FOR EACH VEHICLE BOUGHT OR ACQUIRED.*

If you acquired only one vehicle, put your answers in Column 1.

If you acquired a second vehicle, use Column 2 for that vehicle.

VEHICLE ACQUISITION QUESTIONS

QUESTION	COLUMN 1	COLUMN 2
A. Please give the year, make name, and model name of the acquired vehicle.	Year: 19_____ Make: _____ Model: _____	Year: 19_____ Make: _____ Model: _____
B. What was the date on which your household acquired the vehicle? (GIVE YOUR BEST ESTIMATE)	Month: _____ Day: _____ Year: _____	Month: _____ Day: _____ Year: _____
C. What is the current odometer reading (total mileage) of this vehicle? (PLEASE OBTAIN THIS FROM THE ODOMETER ON THE VEHICLE.)	_____ (Odometer Reading) <input type="checkbox"/> Don't Know	_____ (Odometer Reading) <input type="checkbox"/> Don't Know
D. What was the date on which you recorded this odometer reading (total mileage)?	Month: _____ Day: _____	Month: _____ Day: _____

NOW CONTINUE WITH QUESTIONS 3 AND 4 ON THE NEXT PAGE —>

QUESTION 3: Please look at the address label on the first page of this form. Does it show your correct mailing address?

☐ YES ---> *PLEASE SKIP TO QUESTION 4 BELOW.*

☐ NO ---> *IF ADDRESS IS INCORRECT, PLEASE WRITE THE CORRECT ADDRESS BELOW.*

• STREET ADDRESS: _____

CITY/STATE: _____ ZIP CODE: _____

• When did you move to this address?

MONTH and YEAR: _____

QUESTION 4: Finally, is there a possibility that your household will move any time within 1994?

☐ NO ---> *THIS FORM IS COMPLETE. SKIP THE FOLLOWING QUESTIONS.
PLEASE RETURN THE FORM USING THE ENCLOSED RETURN ENVELOPE*

☐ YES, DEFINITELY ---> *PLEASE ANSWER QUESTIONS 4A AND 4B BELOW.*

☐ POSSIBLY ---> *PLEASE ANSWER QUESTIONS 4A AND 4B BELOW.*

QUESTION 4A: On what date are you or might you be moving?

MONTH/DAY OR APPROXIMATE DATE _____

☐ DON'T KNOW

QUESTION 4B: What will your new address be? (If you're not sure, please give the name and address of a relative or friend who will know how to reach you.)

STREET ADDRESS: _____ APT #: _____

CITY, STATE: _____, _____ ZIP CODE: _____

PHONE NUMBER: (_____) _____ - _____

AFTER YOU HAVE FILLED IN THE INFORMATION REQUESTED, PLEASE RETURN THE FORM TO THE U. S. DEPARTMENT OF ENERGY, c/o RESPONSE ANALYSIS CORPORATION, BOX 7335, PRINCETON, NJ 08543-9967, USING THE ENCLOSED SELF-ADDRESSED, BUSINESS-REPLY ENVELOPE.

THANK YOU!

RT94-04

061594



Department of Energy
Washington, DC 20585

August 1994

Thank You!

Last winter you participated in the U.S. Department of Energy's (DOE) Residential Energy Consumption Survey (RECS). In conjunction with the RECS, DOE also conducts the Residential Transportation Energy Consumption Survey (RTECS), which concentrates on energy used for personal transportation. This RTECS information, when linked with the energy consumption used in the home (from the RECS), provides information on all energy used in the residential sector. Response Analysis Corporation is the data collection contractor for DOE for both surveys.

As part of the RTECS, we now need to update information and ask a few additional questions concerning your vehicles and their use. Information obtained from you will represent thousands of other households that have similar vehicles.

We hope that you will assist us by completing the enclosed worksheet. It will only take a few minutes. After filling out the worksheet, please keep it near your telephone. We will be calling you in the next few weeks to get the information from the worksheet.

The information you provide and your identity will be held strictly confidential in accordance with the provisions of the Privacy Act of 1974. (See the statement on the other side of this letter for further details on the Privacy Act and public reporting burden.) No information linking your name and address with the data you provide will ever be given to the Department of Energy or to any other government agency.

Your participation is very important to the success of this research and is totally voluntary. Please call Jim Devlin of Response Analysis Corporation toll-free at 1-800-888-9213 if you have any questions about this survey. Thank you again for your cooperation.

Sincerely,

Lynda T. Carlson
Director, Energy End Use and
Integrated Statistics Division
Energy Information Administration

Enclosure

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The Department of Energy will receive only your answers, not your name or address. Your answers will be screened to protect your identity; neither the Department of Energy, nor any other Government agency, will be able to locate your household.

Your participation in this survey is voluntary.

PUBLIC REPORTING BURDEN

Public reporting burden is estimated to average 10 minutes for the completion of the enclosed form.

Send comments regarding public reporting burden or any other aspects of this collection of information, including suggestions for reducing this burden to:

Energy Information Administration
Office of Statistical Standards
EI-73, Room 205
1707 H Street, Northwest
Washington, D.C. 20585

and

Office of Information and Regulatory Affairs
Office of Management and Budget
Washington, D.C. 20503



ENERGY INFORMATION ADMINISTRATION

U.S. DEPARTMENT OF ENERGY

1994 RESIDENTIAL TRANSPORTATION ENERGY CONSUMPTION SURVEY

VEHICLE UPDATE WORKSHEET

AFTER YOU HAVE FILLED IN THE INFORMATION REQUESTED, PLEASE KEEP THIS WORKSHEET NEAR YOUR TELEPHONE. WE WILL BE CALLING YOU IN A WEEK OR TWO TO GET THE INFORMATION; OR, IF YOU WILL BE DIFFICULT TO REACH BY PHONE, CALL JIM DEVLIN TOLL-FREE AT 1 (800) 888-9213.

PLEASE KEEP THIS WORKSHEET BY YOUR TELEPHONE – EVEN IF YOU HAVE NOT HAD ANY VEHICLE CHANGES.

This survey is voluntary and is authorized under the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended. Information about specific households will be kept strictly confidential. The data will be screened to protect the identity of individual households and summarized within large groupings for statistical purposes. Public reporting burden for this collection is estimated to average 5 minutes. Send comments regarding public reporting burden to: Energy Information Administration, Office of Statistical Standards, EI-73, Mail Stop 2F-081, 1000 Independence Avenue SW, Washington, DC 20585, and Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

VEHICLE UPDATE WORKSHEET

We are now halfway through the survey year for the 1994 Residential Transportation Energy Consumption Survey. We need to make sure that we have current information about the vehicles in your household.

When we last contacted you, you had the vehicles described below:

QUESTION 1: Does your household still have the use of all of the vehicles listed above?

- ☐ YES, STILL HAVE ALL VEHICLES ---> *SKIP TO QUESTION 2 ON THE NEXT PAGE*
- ☐ NO ---> *ANSWER QUESTIONS "A" THROUGH "C" FOR EACH VEHICLE DISPOSED OF.*

If you disposed of only one vehicle, put your answers in Column 1.

If you disposed of a second vehicle, use Column 2 for that vehicle.

VEHICLE DISPOSITION QUESTIONS

QUESTION	COLUMN 1	COLUMN 2
A. Which vehicle do you no longer have?	Year: 19 _____ Make: _____ Model: _____	Year: 19 _____ Make: _____ Model: _____
B. When did you sell or dispose of it? (GIVE YOUR BEST ESTIMATE)	Month: _____ Day: _____ Year: _____	Month: _____ Day: _____ Year: _____
C. What was the odometer reading (total mileage) when the vehicle was sold or disposed of? (GIVE YOUR BEST ESTIMATE)	_____ (Odometer Reading) <input type="checkbox"/> Don't Know	_____ (Odometer Reading) <input type="checkbox"/> Don't Know

NOW CONTINUE WITH QUESTION 2 ON THE NEXT PAGE --->

QUESTION 2: Has your household bought or acquired any cars, trucks, vans, jeeps, sport-utility vehicles, or similar vehicles that are not listed on the label on the facing page? Please do not include motorcycles, mopeds, heavy trucks, antique or race vehicles, or any vehicles used solely for business purposes.

☐ NO, HAVE NOT BOUGHT OR ACQUIRED ANY OTHER VEHICLE
—> *CONTINUE WITH QUESTION 3 ON THE NEXT PAGE*

☐ YES, HAVE BOUGHT OR ACQUIRED ANOTHER VEHICLE
—> *PLEASE ANSWER QUESTIONS "A" THROUGH "D" BELOW
FOR EACH VEHICLE BOUGHT OR ACQUIRED.*

If you acquired only one vehicle, put your answers in Column 1.
If you acquired a second vehicle, use Column 2 for that vehicle.

VEHICLE ACQUISITION QUESTIONS

QUESTION	COLUMN 1	COLUMN 2
A. Please give the year, make name, and model name of the acquired vehicle.	Year: 19 _____ Make: _____ Model: _____	Year: 19 _____ Make: _____ Model: _____
B. What was the date on which your household acquired the vehicle? (GIVE YOUR BEST ESTIMATE)	Month: _____ Day: _____ Year: _____	Month: _____ Day: _____ Year: _____
C. What is the current odometer reading (total mileage) of this vehicle? (PLEASE OBTAIN THIS FROM THE ODOMETER ON THE VEHICLE.)	_____ (Odometer Reading) <input type="checkbox"/> Don't Know	_____ (Odometer Reading) <input type="checkbox"/> Don't Know
D. What was the date on which you recorded this odometer reading (total mileage)?	Month: _____ Day: _____	Month: _____ Day: _____

NOW CONTINUE WITH QUESTIONS 3 AND 4 ON THE NEXT PAGE —>

QUESTION 3: Please look at the address label on the first page of this form. Does it show your correct mailing address?

☐ YES ---> *PLEASE SKIP TO QUESTION 4 BELOW.*

☐ NO ---> *IF ADDRESS IS INCORRECT, PLEASE WRITE THE CORRECT ADDRESS BELOW.*

• STREET ADDRESS: _____

CITY/STATE: _____ ZIP CODE: _____

• When did you move to this address?

MONTH and YEAR: _____

QUESTION 4: Finally, is there a possibility that your household will move any time within 1994?

☐ NO ---> *THIS WORKSHEET IS COMPLETE. SKIP THE FOLLOWING QUESTIONS.
PLEASE KEEP THIS WORKSHEET NEAR YOUR PHONE*

☐ YES, DEFINITELY ---> *PLEASE ANSWER QUESTIONS 4A AND 4B BELOW.*

☐ POSSIBLY ---> *PLEASE ANSWER QUESTIONS 4A AND 4B BELOW.*

QUESTION 4A: On what date are you or might you be moving?

MONTH/DAY OR APPROXIMATE DATE _____

☐ DON'T KNOW

QUESTION 4B: What will your new address be?

STREET ADDRESS: _____ APT #: _____

CITY, STATE: _____, _____ ZIP CODE: _____

PHONE NUMBER: (_____) _____ - _____

AFTER YOU HAVE FILLED IN THE INFORMATION REQUESTED, PLEASE KEEP THIS WORKSHEET NEAR YOUR TELEPHONE. WE WILL BE CALLING YOU IN A WEEK OR TWO TO GET THE INFORMATION; OR, IF YOU WILL BE DIFFICULT TO REACH BY PHONE, CALL JIM DEVLIN TOLL-FREE AT 1 (800) 888-9213.

PLEASE KEEP THIS WORKSHEET BY YOUR TELEPHONE -- EVEN IF YOU HAVE NOT HAD ANY VEHICLE CHANGES.

THANK YOU!

RT94-03 061594



1994 Residential Transportation Energy Consumption Survey (Mid-Year Telephone Survey)

Call #	Day of Week	Date	Time	Call Result Code ^{**}	Inter-viewer	Notes, Including: • Contact Person • Best Time for Callback • Appointments • Refusals [*] (Remember to write E.S.T. for all times recorded)
				O B T U D H R [*] S A N R L I E E C Y M A A B S R F M		
1				1 2 3 4 5 6 7 8 [*] 9		
2				1 2 3 4 5 6 7 8 [*] 9		
3				1 2 3 4 5 6 7 8 [*] 9		
4				1 2 3 4 5 6 7 8 [*] 9		
5				1 2 3 4 5 6 7 8 [*] 9		
6				1 2 3 4 5 6 7 8 [*] 9		
7				1 2 3 4 5 6 7 8 [*] 9		
8				1 2 3 4 5 6 7 8 [*] 9		

^{**}Busy - Phone busy RA - Valid respondent absent OTHER - Other
 AM - Answering machine LB - Language Barrier REF - Refusal
 NA - No answer DIS - Phone disconnected CM - Contact mad

^{*} IMPORTANT: ALL REFUSALS SHOULD BE 1) SPECIFIED AS "HARD" OR "SOFT," AND
 2) DESCRIBED (WRITE REASONS AND STATEMENT.)

ASK FIRST TO SPEAK WITH THE PERSON WHOSE NAME APPEARS ON THE LABEL. IF HE/SHE IS UNAVAILABLE, THE INTERVIEW MAY BE COMPLETED WITH A SPOUSE OR OTHER KNOWLEDGEABLE MEMBER OF THE HOUSEHOLD.

Hello, this is _____ calling from Response Analysis Corporation in Princeton, New Jersey. We recently sent a letter about a special study that the U.S. Department of Energy has asked us to do on energy use for household vehicles.

IF ASKED ABOUT CONFIDENTIALITY, READ:

This survey is voluntary and authorized under the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended. Information about specific households will be kept strictly confidential. The data will be screened to protect the identity of individual households, and summarized within large groupings for statistical purposes.



A1. First, I would like to check that we have your correct mailing address.
Is it . . . ? (**READ ADDRESS SHOWN ON LABEL**)

- ☐ YES -- CONTINUE WITH QUESTION B1
☐ NO ---ASK QUESTIONS A1.A AND A1.B

A1.A IF MAILING ADDRESS IS INCORRECT, WRITE IN THE CORRECT ADDRESS BELOW:

Street Address: _____ Apt. # _____
City, State: _____ ZIP: _____

A1.B When did you move to (ADDRESS NOTED ABOVE)?

Month and Year: _____ ☐ Didn't Move, just corrected address

NOW CONTINUE WITH QUESTION B1

B1. I have a description of the vehicle[s] mentioned at the time of our most recent contact with your household. I would like to verify [this description/these descriptions] with you.

VEHICLE NUMBER	1	2	3
VEHICLE TYPE	Car	Minivan	Car
MODEL YEAR	1994	1994	1974
MAKE NAME	Mitsubishi	Nissan	TVR
MODEL NAME	Eclipse	Quest XE	2500 M
B2. Do you still have [READ VEHICLE DESCRIPTION IN COLUMN ABOVE]?	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
IF "YES" TO Q. B2, ASK Q. B3. IF "NO" TO Q. B2, ASK Qs. B4 and B5.			
B3. Have I described it correctly? [IF "NO," MAKE CORRECTIONS ABOVE]	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
B4. On what date was the vehicle sold or disposed of?	_____ MONTH/DAY/YEAR	_____ MONTH/DAY/YEAR	_____ MONTH/DAY/YEAR
B5. Just approximately, what was the odom- eter reading (or, total miles) on the vehicle at the time that it was sold or disposed of?	_____ MILES (ODOMETER READING) <input type="checkbox"/> DON'T KNOW	_____ MILES (ODOMETER READING) <input type="checkbox"/> DON'T KNOW	_____ MILES (ODOMETER READING) <input type="checkbox"/> DON'T KNOW

ASK QUESTIONS B6-B8 ONLY IF RESPONDENT REPORTS THAT HE/SHE STILL HAS VEHICLE NUMBER #1.

QUESTIONS B6-B8 ARE ASKED ONLY FOR VEHICLE NUMBER #1.

Thinking about your [READ YEAR, MAKE, AND MODEL FOR VEHICLE NUMBER #1]:

B6. What was the price per gallon the last time you purchased fuel for this vehicle?

PRICE

\$ ____

DON'T KNOW

6

B7. What kind of fuel was purchased at that time? Diesel, unleaded regular, unleaded premium, some grade in between regular and premium, or some other type of fuel? (RECORD LEADED REGULAR AS "OTHER." AN IN-BETWEEN GRADE MAY BE CALLED "MIDGRADE," "INTERMEDIATE," OR "PLUS")

DIESEL

4

UNLEADED REGULAR

1

UNLEADED PREMIUM

2

UNLEADED MIDGRADE

3

OTHER (Specify)

5

DON'T KNOW

6

B-8. When you last bought fuel for this vehicle, did you use full-service pumps or self-service pumps? (RECORD MINI-SERVICE AS SELF-SERVICE)

FULL-SERVICE

1

SELF-SERVICE
(Includes Mini-Service)

2

OTHER (Specify)

5

DON'T KNOW

6

Section C: Acquired Vehicle Stock Questions

C1. Do you or other members of your household own or have for your personal use any cars, trucks, vans, or similar vehicles, in addition to (DESCRIBE VEHICLES LISTED ON QUESTION B1 PAGE 3 AND 4 BUT DO NOT MENTION AGAIN ANY VEHICLES THEY NO LONGER HAVE.)

1 YES _____ > ASK Q. C2

0 NO _____ > SKIP TO Q. D1

6 DON'T KNOW _____

IF "YES," ASK:

C2. How many additional vehicles do you have?

1 ONE _____

2 TWO _____

3 THREE _____

4 FOUR OR MORE _____

6 DON'T KNOW _____

> ASK Q. C3-C8 for each additional vehicle

ASK QUESTIONS C3 AND C4 FIRST FOR VEHICLE A, THEN REPEAT THE TWO QUESTIONS FOR VEHICLES B, C, AND D.

C3. Please tell me the make, model name and year of (each/this) vehicle.

MAKE

DON'T KNOW MAKE

MODEL NAME

DON'T KNOW MODEL

MODEL YEAR

DON'T KNOW YEAR

C4. What type of vehicle is the (READ: YEAR, MAKE, AND MODEL FROM Q.C3.) (READ CATEGORIES TO RESPONDENT IF NECESSARY.)

PASSENGER CAR

STATION WAGON

LARGE VAN

MINI VAN

PICKUP TRUCK

SPORT-UTILITY

OTHER

(Specify)

DON'T KNOW

Vehicle				
	A	B	C	D
MAKE				
DON'T KNOW MAKE	6	6	6	6
MODEL NAME				
DON'T KNOW MODEL	6	6	6	6
MODEL YEAR	19 _____	19 _____	19 _____	19 _____
DON'T KNOW YEAR	96	96	96	96
PASSENGER CAR	1	1	1	1
STATION WAGON	2	2	2	2
LARGE VAN	3	3	3	3
MINI VAN	4	4	4	4
PICKUP TRUCK	5	5	5	5
SPORT-UTILITY	6	6	6	6
OTHER	21	21	21	21
(Specify)				
DON'T KNOW	96	96	96	96

INTERVIEWER INSTRUCTIONS.

Q. C3 -- A model name may consist of several parts -- be sure to get the complete name. Here are some examples, where the complete model name is in parentheses: Ford (Galaxie), Chevrolet (V-10 Suburban), GMC (V-15 Jimmy), Toyota (2WD Cargo Van). If respondent does not know the name of a truck, probe for size (1/2 ton, 3/4 ton, etc.).

K Q. C5 - C8 FOR VEHICLE A FIRST,
THEN GO TO VEHICLE B, VEHICLE C, AND
VEHICLE D

C5. In what month and year did you get this
vehicle?
(READ: YEAR, MAKE, AND MODEL
FROM--Q. C3)

DON'T KNOW MONTH

DON'T KNOW YEAR

C6. Do you know the total mileage
(odometer reading) for this vehicle?

IF "YES" to Q C6. ASK:

C7. What is the total mileage (odometer
reading)?

On what day was that mileage noted?

IF "NO" to Q C6. ASK:

C8. Was the vehicle new when you got it?

		Vehicle			
		A	B	C	D
MONTH	YEAR	19_____	19_____	19_____	19_____
	DON'T KNOW MONTH	96	96	96	96
YEAR	DON'T KNOW YEAR	96	96	96	96
	YES	1	1	1	1
NO	NO	0	0	0	0
	MILES	_____	_____	_____	_____
DATE	DATE	_____ Month/Day	_____ Month/Day	_____ Month/Day	_____ Month/Day
	YES	1	1	1	1
NO	NO	0	0	0	0

INTERVIEWER: MAKE SURE YOU HAVE ASKED THE FULL SET OF QUESTIONS (Q's. C3-C8) FOR EACH ADDITIONAL VEHICLE THE RESPONDENT TOLD YOU ABOUT IN QUESTION C2. THEN CONTINUE WITH QUESTION D1.

Section D: Closing

D1. Is there a possibility that your household will move any time during the remainder of 1994?

- 1 YES, DEFINITELY ☐ → Go to Q. D2
 2 POSSIBLY ☐
 0 NO ☐ → Go to D4

IF "YES" OR "POSSIBLY," ASK:

D2. When (will/might) you be moving, just approximately?

MONTH/DAY/YEAR _____

APPROXIMATE TIME PERIOD _____

[] DON'T KNOW

D3. What will your new address be?

[] DON'T KNOW

NAME: _____

STREET: _____

CITY/STATE: _____ ZIP CODE: _____

PHONE: () _____
 (Area Code)

Thank you very much. We appreciate your helping us with this survey. We will be contacting you at the end of the year to obtain followup odometer reading(s) for your vehicle(s). Have a nice day/evening.

AM
PM

(Interviewer)

(Date Completed)

(Time Completed)

INTERVIEWER NOTES: _____

1994 Residential Transportation Energy Consumption Survey (RTECS)

Interviewer Instructions for the Mid-Year Questionnaire

GENERAL INFORMATION

The Residential Transportation Energy Consumption Survey (RTECS) is conducted every three years. It provides the Department of Energy with valuable information about household vehicles, significant consumers of residential energy. The RTECS collects information about the nation's motor vehicle stock, vehicles miles traveled, and fuel consumption and expenditures.

All RTECS households have granted a personal interview last fall or winter for a survey of household energy use called RECS.

We have already gathered a great deal of information about the RTECS households' vehicles as a part of the RECS. The mid-year data collection is the first of two contacts we will make with RTECS households. We will begin making the final contacts toward the end of 1994; they will continue through early 1995.

The purpose of this mid-year contact is to update our information on each household's vehicle inventory and to verify present mailing address and phone number.

Both the RTECS and RECS are sponsored by the United States Department of Energy (DOE).

THE RTECS SAMPLE

The RTECS sample includes approximately 3,100 households selected from those households who completed a RECS interview. All of these households have been, to a certain extent, cooperative with these energy studies.

For the mid-year RTECS, we will attempt to contact approximately 90% of the households by telephone; the other 10% will be contacted by mail (because we do not have a working telephone number for them in our database).

DATA COLLECTION MATERIALS

Materials are sent to each household approximately one week prior to the mid-year contact. These materials include:

- ✓ A letter from Energy Information Administration asking for the household's cooperation; this letter includes a privacy statement.
- ✓ A pink vehicle worksheet. A label showing our most up-to-date record of the household's vehicles is affixed to the worksheet. The worksheet asks about:
 - household vehicles disposed of
 - household vehicles acquired
 - accuracy of the household's current address as per our records
 - possibility of the household moving before the end of the year.

Examples of these two items are furnished in Appendices A and B at the back of these instructions.

CALL RECORD SHEET

Be neat and write legibly when you mark the Call Record Sheet.

CALLING SCHEDULE

Please observe the following calling patterns to RTECS households:

- ✓ Maximum of two weekday/daytime calls (before 6 p.m. local time).
- ✓ At least two weekday/evening attempts out of eight call attempts.

Warning: For the West Coast, "evening" means after 9 p.m. EDT.

- ✓ At least two weekend attempts out of eight attempts.
- ✓ Space your calls at least 2 1/2 hours apart.
- ✓ Vary your calling times. Do not always call at the same time of day.
- ✓ Maximum of two calls on any one day.

Exception: If a specific time is given as the best time to call or the respondent has asked you to call back later in the day.

- ✓ Do not make any calls after 10 p.m. local time unless you were asked to call then.

CALL RESULTS

Busy Signal. Make several attempts to get the call through before marking "BUSY."

Answering Machine. Do not leave a message. We will leave messages as a very last resort.

No Answer. Let the phone ring at least 8 times without being answered before recording "NA."

Respondent Not Available. Ask for the person whose name is on the label. The spouse/partner or other "knowledgeable" person can be interviewed if that person is not available.

If the eligible respondent is not there or can't come to the phone, arrange for a callback. Record the callback time in EASTERN DAYLIGHT TIME and mark "EDT."

Refusal. Mark "REF" if the household will not participate. Specify the refusal as "hard" or "soft" and make a brief note regarding the gist of what the respondent has said. Use verbatims; include frank language if you feel it is necessary.

Note: If the respondent furnishes most of the information but refuses some items (e.g., refuses to furnish an odometer reading), then DO NOT count this interview as a refusal; count it as a complete. Make a note on the call record sheet indicating that the respondent has refused to furnish at least some of the information.

THE HOUSEHOLD ADDRESS LABEL

The household address label has been affixed to the top-center of the first page of the questionnaire. It contains the respondent's name, address, telephone number, and a four-digit household identification number ("HHID"; unique to that household; found in the label's upper-right corner).

Make any corrections to the person's name or telephone number right on the label. Address corrections are noted on Page 2 (Q. A1A).

THE RESPONDENT

Ask for the person noted on the address label, by name. If he or she is not available, you may interview that person's spouse or another knowledgeable (about the household vehicles) member of the household.

You may encounter a couple of special, but unusual, situations that include:

- ✓ **Moved:** If the whole household has moved, attempt to get forwarding information (from the current household, the operator, etc.)

- ✓ **Household Split:** If the household has split, we want to follow at least one of the household members.
 - If the entire household has split and moved, attempt to find the telephone number of the person listed on the label.
 - For a household where one or more of the original household members remains, continue the interview with one of the remaining household members. Indicate who that person is, and his or her relationship to the person on the address label.

CONDUCTING THE INTERVIEW

CORRECTING THE ADDRESS (Q. A1)

Make only the necessary corrections. We will assume all information is correct unless otherwise noted.

Make corrections in the box on Page 2 (address) or on the label itself (name and phone number).

Note: We are asking for the correct MAILING address, not the actual residential address.

THE COMPUTER-GENERATED VEHICLE PAGES(S)

There is at least one computer-generated vehicle page per questionnaire. It contains what we believe is the household's current vehicle inventory.

We are still interested in any vehicle(s) listed on the page(s) that the household still has even though they say they are not currently using it.

ASSESSING THE HOUSEHOLD'S VEHICLE INVENTORY (Q. B)

Before placing the call, review the household's current vehicle inventory. If the inventory shows that the household has at least one vehicle, you should verify the mailing address in Q. A1, then continue with the remainder of the questionnaire.

If the inventory shows that the household has no vehicles, you should verify the mailing address (Q. A1) and continue with Q. C1a on the vehicle page. Record the answer to Q. C1a under Q. C1 on Page 5.

QUESTION-BY-QUESTION

Qs. B2 - B5: Vehicle Inventory

Watch the skip patterns!

For each vehicle that the household still has, ask Q. B3.

If the household no longer has a vehicle, ask Qs. B4 - B5 for that vehicle.

Correct vehicle descriptions, as necessary, right on the computer-generated vehicle page. If an item in the vehicle description is missing, please ask the respondent to supply the missing information.

A model year of "1998" means that we don't know the real model year for the vehicle. Please probe for the correct model year.

Accept estimates for the date of disposal and odometer reading when they got rid of the vehicle.

After asking Qs. B2 - B5 for all vehicles, look back at Vehicle 1. If the household has Vehicle 1, continue with Qs. B6 - B8 on Page 4. Otherwise, skip to Q. C1 on Page 5.

Qs. B6 - B8: Fuel Information and MPG

Qs. B6 - B8 refer to the most recent fuel purchase for Vehicle 1.

"Don't Know" answers are OK. Do not ask for guesses.

In Q. B6, record dollars to the left of the decimal point and cents to the right. If a respondent mentions a ".9" in the price, just drop it.

Qs. C1 - C8: Additional Vehicles

Section C is used to record information for vehicles that the household currently has but that are not mentioned on the computer-generated vehicle page(s).

Q. C1: Do you have any other vehicles?

DO NOT count motorcycles or mopeds -- we're not interested in these.

DO count company cars, trucks and vans IF they are also used for personal reasons.

DO count vehicles that belong to lodgers, students, and relatives that live in the household.

DO NOT count vehicles that are with students who are at school more than six months of the year.

Q. C3: Please tell me the make, model name, and year of the vehicle.

The instruction box at bottom of page is very important!

Get as much information about the vehicle type, make, model, and year as you can. If you know or strongly suspect that a make/model combination is incorrect, probe the respondent for more accurate information.

Q. C4: What type of vehicle is it?

If the respondent says that the vehicle type is a "VAN," probe for whether he or she considers it to be a LARGE VAN or a MINIVAN.

Qs. C6 -C8: Odometer Reading

We hope that the respondent has used the VEHICLE UPDATE WORKSHEET that we sent.

If the respondent did NOT record the mileage on the VEHICLE UPDATE WORKSHEET, ask him or her to get the odometer reading while you wait on the phone. Call back if necessary.

Do not accept estimated odometer readings.

For Q. C8, we want to know if the vehicle was a new vehicle, not a used vehicle. This question has sometimes been interpreted as meaning "Is the vehicle new to the household." This interpretation is incorrect.

Concluding the RTECS Interview (the missing Q. D4)

A skip instruction in Q. D1 refers to Q. D4. When the questionnaire was revised for the 1994 RTECS, the question number was dropped from the closing statement. The closing statement IS Q. D4!

APPENDIX A

DATA COLLECTION MATERIALS MAILED TO RESPONDENTS

- ✓ **Letter from the Energy Information Administration**
 - ✓ **Vehicle Update Worksheet**



Department of Energy

Washington, DC 20585

August 1994

Thank You!

Last winter you participated in the U.S. Department of Energy's (DOE) Residential Energy Consumption Survey (RECS). In conjunction with the RECS, DOE also conducts the Residential Transportation Energy Consumption Survey (RTECS), which concentrates on energy used for personal transportation. This RTECS information, when linked with the energy consumption used in the home (from the RECS), provides information on all energy used in the residential sector. Response Analysis Corporation is the data collection contractor for DOE for both surveys.

As part of the RTECS, we now need to update information and ask a few additional questions concerning your vehicles and their use. Information obtained from you will represent thousands of other households that have similar vehicles.

We hope that you will assist us by completing the enclosed worksheet. It will only take a few minutes. After filling out the worksheet, please keep it near your telephone. We will be calling you in the next few weeks to get the information from the worksheet.

The information you provide and your identity will be held strictly confidential in accordance with the provisions of the Privacy Act of 1974. (See the statement on the other side of this letter for further details on the Privacy Act and public reporting burden.) No information linking your name and address with the data you provide will ever be given to the Department of Energy or to any other government agency.

Your participation is very important to the success of this research and is totally voluntary. Please call Jim Devlin of Response Analysis Corporation toll-free at 1-800-888-9213 if you have any questions about this survey. Thank you again for your cooperation.

Sincerely,

A handwritten signature in black ink that reads "Lynda T. Carlson". The signature is written in a cursive style with a large, stylized "L" and "C".

Lynda T. Carlson
Director, Energy End Use and
Integrated Statistics Division
Energy Information Administration

Enclosure

PRIVACY ACT NOTICE

This Residential Transportation Energy Consumption Survey (RTECS) is being conducted by the Response Analysis Corporation for the U.S. Department of Energy. It is authorized under Section 52 of the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended.

The purpose of this survey is to collect information on vehicles used by households for personal use to help the Department of Energy and other Federal agencies to administer programs, assess energy usage, and plan for our energy future.

Once the data about vehicle consumption and expenditures have been linked with the information describing your household and we have concluded our planned contacts with your household, all information linking the data with your name and address will be destroyed.

The Department of Energy will receive only your answers, not your name or address. Your answers will be screened to protect your identity; neither the Department of Energy, nor any other Government agency, will be able to locate your household.

Your participation in this survey is voluntary.

PUBLIC REPORTING BURDEN

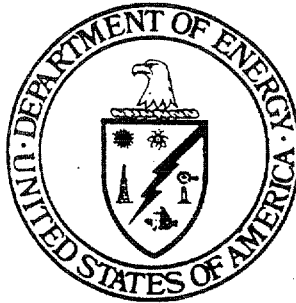
Public reporting burden is estimated to average 15 minutes for the telephone interview and completion of the enclosed form.

Send comments regarding public reporting burden or any other aspects of this collection of information, including suggestions for reducing this burden to:

Energy Information Administration
Office of Statistical Standards
EI-73, Room 205
1707 H Street, Northwest
Washington, D.C. 20585

and

Office of Information and Regulatory Affairs
Office of Management and Budget
Washington, D.C. 20503



ENERGY INFORMATION ADMINISTRATION

U.S. DEPARTMENT OF ENERGY

1994 RESIDENTIAL TRANSPORTATION ENERGY CONSUMPTION SURVEY

VEHICLE UPDATE WORKSHEET

AFTER YOU HAVE FILLED IN THE INFORMATION REQUESTED, PLEASE KEEP THIS WORKSHEET NEAR YOUR TELEPHONE. WE WILL BE CALLING YOU IN A WEEK OR TWO TO GET THE INFORMATION; OR, IF YOU WILL BE DIFFICULT TO REACH BY PHONE, CALL JIM DEVLIN TOLL-FREE AT 1 (800) 888-9213.

PLEASE KEEP THIS WORKSHEET BY YOUR TELEPHONE – EVEN IF YOU HAVE NOT HAD ANY VEHICLE CHANGES.

This survey is voluntary and is authorized under the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended. Information about specific households will be kept strictly confidential. The data will be screened to protect the identity of individual households and summarized within large groupings for statistical purposes. Public reporting burden for this collection is estimated to average 5 minutes. Send comments regarding public reporting burden to: Energy Information Administration, Office of Statistical Standards, EI-73, Mail Stop 2F-081, 1000 Independence Avenue SW, Washington, DC 20585, and Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

VEHICLE UPDATE WORKSHEET

We are now halfway through the survey year for the 1994 Residential Transportation Energy Consumption Survey. We need to make sure that we have current information about the vehicles in your household.

When we last contacted you, you had the vehicles described below:

QUESTION 1: Does your household still have the use of all of the vehicles listed above?

- ☐ YES, STILL HAVE ALL VEHICLES ---> **SKIP TO QUESTION 2 ON THE NEXT PAGE**
- ☐ NO ---> **ANSWER QUESTIONS "A" THROUGH "C" FOR EACH VEHICLE DISPOSED OF.**

If you disposed of only one vehicle, put your answers in Column 1.

If you disposed of a second vehicle, use Column 2 for that vehicle.

VEHICLE DISPOSITION QUESTIONS

QUESTION	COLUMN 1	COLUMN 2
A. Which vehicle do you no longer have?	Year: 19 _____ Make: _____ Model: _____	Year: 19 _____ Make: _____ Model: _____
B. When did you sell or dispose of it? (GIVE YOUR BEST ESTIMATE)	Month: _____ Day: _____ Year: _____	Month: _____ Day: _____ Year: _____
C. What was the odometer reading (total mileage) when the vehicle was sold or disposed of? (GIVE YOUR BEST ESTIMATE)	_____ (Odometer Reading) <input type="checkbox"/> Don't Know	_____ (Odometer Reading) <input type="checkbox"/> Don't Know

NOW CONTINUE WITH QUESTION 2 ON THE NEXT PAGE ----->

QUESTION 2: Has your household bought or acquired any cars, trucks, vans, jeeps, sport-utility vehicles, or similar vehicles that are not listed on the label on the facing page? Please do not include motorcycles, mopeds, heavy trucks, antique or race vehicles, or any vehicles used solely for business purposes.

☐ NO, HAVE NOT BOUGHT OR ACQUIRED ANY OTHER VEHICLE
—> *CONTINUE WITH QUESTION 3 ON THE NEXT PAGE*

☐ YES, HAVE BOUGHT OR ACQUIRED ANOTHER VEHICLE
—> *PLEASE ANSWER QUESTIONS "A" THROUGH "D" BELOW
FOR EACH VEHICLE BOUGHT OR ACQUIRED.*

If you acquired only one vehicle, put your answers in Column 1.

If you acquired a second vehicle, use Column 2 for that vehicle.

VEHICLE ACQUISITION QUESTIONS

QUESTION	COLUMN 1	COLUMN 2
A. Please give the year, make name, and model name of the acquired vehicle.	Year: 19_____ Make: _____ Model: _____	Year: 19_____ Make: _____ Model: _____
B. What was the date on which your household acquired the vehicle? (GIVE YOUR BEST ESTIMATE)	Month: _____ Day: _____ Year: _____	Month: _____ Day: _____ Year: _____
C. What is the current odometer reading (total mileage) of this vehicle? (PLEASE OBTAIN THIS FROM THE ODOMETER ON THE VEHICLE.)	_____ (Odometer Reading) <input type="checkbox"/> Don't Know	_____ (Odometer Reading) <input type="checkbox"/> Don't Know
D. What was the date on which you recorded this odometer reading (total mileage)?	Month: _____ Day: _____	Month: _____ Day: _____

NOW CONTINUE WITH QUESTIONS 3 AND 4 ON THE NEXT PAGE —>

QUESTION 3: Please look at the address label on the first page of this form. Does it show your correct mailing address?

- ☐ YES --> **PLEASE SKIP TO QUESTION 4 BELOW.**
- ☐ NO --> **IF ADDRESS IS INCORRECT, PLEASE WRITE THE CORRECT ADDRESS BELOW.**

• STREET ADDRESS: _____

CITY/STATE: _____ ZIP CODE: _____

- When did you move to this address?

MONTH and YEAR: _____

QUESTION 4: Finally, is there a possibility that your household will move any time within 1994?

- ☐ NO ---> **THIS WORKSHEET IS COMPLETE. SKIP THE FOLLOWING QUESTIONS. PLEASE KEEP THIS WORKSHEET NEAR YOUR PHONE.**
- ☐ YES, DEFINITELY --> **PLEASE ANSWER QUESTIONS 4A AND 4B BELOW.**
- ☐ POSSIBLY --> **PLEASE ANSWER QUESTIONS 4A AND 4B BELOW.**

QUESTION 4A: On what date are you or might you be moving?

MONTH/DAY OR APPROXIMATE DATE _____

- ☐ DON'T KNOW

QUESTION 4B: What will your new address be?

STREET ADDRESS: _____ APT #: _____

CITY, STATE: _____ ZIP CODE: _____

PHONE NUMBER: (_____) _____ - _____

AFTER YOU HAVE FILLED IN THE INFORMATION REQUESTED, PLEASE KEEP THIS WORKSHEET NEAR YOUR TELEPHONE. WE WILL BE CALLING YOU IN A WEEK OR TWO TO GET THE INFORMATION; OR, IF YOU WILL BE DIFFICULT TO REACH BY PHONE, CALL JIM DEVLIN TOLL-FREE AT 1 (800) 888-9213.

PLEASE KEEP THIS WORKSHEET BY YOUR TELEPHONE - EVEN IF YOU HAVE NOT HAD ANY VEHICLE CHANGES.

THANK YOU!

APPENDIX B

ANSWERS TO COMMON QUESTIONS FROM RESPONDENTS

ANSWERS TO COMMON QUESTIONS FROM RESPONDENTS

Q. "I am not average."

A. We are interested in your household, regardless of how you use your vehicle(s). This would not be a representative survey if we only interviewed households with "average" vehicles and "average" driving habits.

Q. "I was in this same vehicle survey before. Why should I do it again?"

A. The households that were in the survey before are very important to the current survey. Data from repeat households, like yours, offer the best opportunities of studying how households change their vehicles over time.

Q. "Ask somebody else."

A. We need your participation. We have followed scientific procedures and cannot substitute another household for yours. It will mean a great deal to us and to the United States Department of Energy if you can take the time to help with our survey.

Q. "I do not want the government to have records on me."

A. The names and addresses of the participants are known only to the research staff at Response Analysis Corporation. All of the survey information is kept strictly confidential.

Q. "Can I verify your legitimacy?"

A. You can call Mr. Ron Lambrecht at the U.S. Department of Energy (1-202-586-4962) or Mr. Jim Devlin, toll-free, at Response Analysis Corporation (1-800-888-9213). If you call Mr. Lambrecht, he will take your number and call you right back. This saves taxpayer dollars.

Q. "I am not using my car at this time."

A. It is important that we collect information on all vehicles, including those that are driven hundreds of miles each week and those that are hardly driven at all.

Q. "I don't have any vehicles."

A. We are interested in your household even if you don't have any vehicles at this time. This would not be a representative survey if we interviewed only households with vehicles. Also, you may acquire a vehicle during the year. We will be calling at the end of the year to find this out.

Q. "What will be done with this information?"

A. This information from this survey will be used to guide government policy makers. The survey will provide a comprehensive look at gasoline and diesel fuel consumption nationwide.

INSTRUCTIONS FOR HANDLING INCOMING RTECS CALLS

REFUSALS

Try to talk them into doing the survey.

It will take only a few minutes.

We are only trying to update our record of their household's vehicles.

See the last page of the instructions -- Answers to Common Questions from Respondents -- for more information.

If they want to participate, tell them that they will receive a call very soon from one of our telephone interviewers, who will get their information. OR, you can take that information now, if they'd prefer that.

If they refuse, get their HHID (in the upper-right corner of the address label on the front (on the bottom) of the pink vehicle worksheet we sent them or in the same location on the vehicle label on Page 2 of that same worksheet. If they don't have that worksheet, get as much personal information as possible so we can look up their name and/or address in the RECS database and get their HHID # from there (if they don't want to give that information, tell them that they WILL be called because we won't know which questionnaire to pull from the Phone Center). Pass along that HHID # to the Phone Center so they can pull the piece and send it back with the other dead sample. Have them note that the respondent called our office to refuse on the call record sheet.

WHEN THEY WANT TO GIVE INFORMATION

Have the person give you as much personal information (HHID, name, address) as possible and record it on the front of a blank questionnaire.

Establish the vehicle inventory. They probably still have the pink worksheet. Ask them to tell you the vehicle number and description of each vehicle on the vehicle label on Page 2 of the pink worksheet. Have them read it to you EXACTLY as it is on the label. If they don't have the worksheet (unlikely), just ask them to describe the vehicles they currently have and record those descriptions beginning as Veh 1. Tell them we may have to call them back very briefly for a few bits of additional information.

Finish by asking Pages 2, 4, and 7.

Contact the Phone Center and tell them that you completed that interview; ask them to send back the questionnaire for that case (specially identified) and dispose it as a complete.

Complete the real questionnaire when you get it. Call back the respondent for additional information, if necessary. Throw out the "dummy" questionnaire.

ANSWERS TO COMMON QUESTIONS FROM RESPONDENTS

Q. "I am not average."

A. We are interested in your household, no matter how you use your vehicle(s). This would not be a representative survey if we only interviewed households with average vehicles and average driving habits.

Q. "I was in this same vehicle survey before. Why should I do it again?"

A. The households that were in the survey before are very important to the current survey. Data from repeat households, like yours, offer the best opportunities of studying how households change their vehicles over time.

Q. "Ask somebody else."

A. We need your participation. We have followed scientific procedures and cannot substitute another household for yours. It will mean a great deal to us and to the U.S. Department of Energy if you can take the time to help with our survey.

Q. "I do not want the government to have records on me."

A. The names and addresses of the participants are known only to the research staff at Response Analysis. All of the survey information is kept confidential.

Q. "Can I verify your legitimacy?"

A. You can call Ms. Martha Johnson at the U.S. Department of Energy (1-202-586-1135) or Mr. Jim Devlin at Response Analysis Corporation (1-609-921-3333).

Q. "I am not using my car at this time."

A. It is important that we collect information on all vehicles including those that are driven hundreds of miles each week and those that are hardly driven at all.

Q. "I don't have any vehicles."

A. We are interested in your household even if you don't have any vehicles at this time. This would not be a representative survey if we only interviewed households with vehicles. Also, you may acquire a vehicle during the year and we will be calling at the end of the year to find this out.

Q. "What will be done with this information?"

A. This survey will be used to guide government policy makers. The survey will provide a comprehensive look at gasoline and diesel fuel consumption nationwide.

1994 Residential Transportation Energy Consumption Survey Mid-year Coding Instructions (REVISED)

OVERVIEW

The Study

The Mid-year contact is the first of two contacts (excluding the RECS) that we will attempt to make with households selected for the 1994 Residential Transportation Energy Consumption Survey. The Mid-year contact is intended to serve as a means for us to "keep in touch" with RTECS households midway through the RTECS year. In this contact, we have verified the household's address, updated the household's vehicle inventory (including asking a brief set of questions about disposed or acquired vehicles), asked three questions about the most recent fuel purchase for all Vehicle 1s, and gathered tracking information, when applicable, should the household move before the end of the year.

The Coding Task

The nature of the coding task is dependent upon whether or not the household has disposed of or acquired a vehicle. For households who have NOT disposed of or acquired a vehicle, you will edit and/or code the questionnaire itself; for households where the opposite is true, you will code the information onto a coding form. After coding/editing, keep the coded/edited questionnaires in their packs; sort questionnaires for which a form was coded into a separate box or pile.

The Coding Form

The coding form is divided into three sections. The first section is where you code the household information; the second section is used to code vehicle dispositions; while the third section is used to code vehicle acquisitions. The coding form can accommodate up to four acquired vehicles. If a household has acquired more than four vehicles, please bring the case to the attention of Kevin K. or Jim D.

Use a red felt-tip marker for coding/editing. If you have any questions about how to code a specific item or deal with a special situation, please put the questionnaire aside and hold it for Kevin K. or Jim D. The charge number for this coding task is 8400-832 (RTECS Mid-year Phone).

ABOUT THE VEHICLE PAGES

The most recent vehicle inventory for each household is described on the computer-generated page(s) between pages 2 and 4. Each vehicle is assigned a Vehicle Number, found at the top

of each column. A vehicle description need not be present under each Vehicle Number. Households without any vehicles will have a special computer-generated page stating such.

The computer-generated vehicle page(s) is where you will find information regarding vehicles that we already know about. On this page, we ask if a household still has the vehicle. Depending upon the answer, we ask if it is described correctly (if the vehicle is still with the household), or (if the household no longer has it) when the vehicle was disposed of and an estimate of the vehicle's odometer reading at the time of disposal.

WHERE TO FIND THE OTHER PERTINENT INFORMATION

In addition to asking about current household vehicles and gathering information about vehicles no longer belonging to the household (on the computer-generated pages), we also verified the household mailing address, collected information about the most recent fuel purchase for all **Vehicle Number 1s that the household still has**, asked about any additional vehicles that the household had acquired, and obtained tracking information for households who may move before the end of the year.

Changes in household name and/or address are found on the front label and/or Page 2. Most recent fuel purchase information, when asked, is found on Page 4. Information pertaining to additional vehicles is found on Pages 5 and 6. Tracking data, when provided, are on Page 7.

THE WORK FLOW

The scope of the coding task varies depending on whether or not the household has disposed of or acquired a vehicle (also referred to as a "change in the household vehicle inventory"). Make this determination (look at the vehicle page[s] and Page 5).

If There is NO CHANGE in the Household Vehicle Inventory

Code/edit the questionnaire itself.

- **Circle the HHID** (Household ID Number) in the upper-right corner of the address label at the top-center of the contact record sheet.
- **Check the three most-recent-fuel-purchase questions** on Page 4, making sure that each has a value circled or coded. If the household had no vehicles to start, skip this step. See detailed instructions for coding these items on Page 3.
- **Code the tracking information** on the last page (Page 7). Record the code on the right side of the page in the white space between questions D2 and D3. See detailed instructions for coding this information on Page 4.
- **Return the questionnaire** to its pack.

If There IS A CHANGE in the Household Vehicle Inventory

Code all information onto a yellow coding form using one coding form per questionnaire.

- Always code a household card.
- Code vehicle disposition cards and vehicle acquisition cards as necessary.
- When you are finished editing/coding, sort the questionnaire into a separate box or pile. DO NOT return it to its pack.

CODING THE HOUSEHOLD CARD

You will code the items on the household card using a separate coding form for every questionnaire. The fields are:

- **HHID Number.** The Household ID Number is found in the upper-right corner of the address label on the call record sheet or in the upper-right corner of the white vehicle page(s). Code the 4-digit number.
- **Questions about Most Recent Fuel Purchase (from Page 4).** Should only be answered if the household still has Vehicle #1. If the household still has a Vehicle #1 and the questions are not answered, code the three items according to the instructions for 'No Answer' below.

If the household does not have or no longer has a Vehicle #1, leave these three fields blank on the coding form. If these questions have been answered and they shouldn't have been, ignore the responses.

- **Price of Fuel.** Code as a three-digit number using a leading zero, when necessary. Ignore tenths of a cent, if given. If '6' (Don't Know) is circled, code as '996.' Code '998' if No Answer.
- **Fuel Type.** Code as a single-digit number. Code 'Propane' as '7.' Code 'Ethanol Blend' as '9.' Code 'Leaded' as '5' (Other). Code '8' if No Answer. Please refer to the following conversion chart if the interviewer checked 'Other' and provided an Octane Rating:

Regular Fuel has an Octane Rating of 85 - 87

Midgrade has an Octane Rating of 88 - 90

Premium has an Octane Rating of 91 or higher.

If one of these ranges is given in the "Other" category, please edit the answer to the correct classification.

- **Type of Service.** Code as a single-digit number. Code 'Bulk Sales' or 'Home Delivery' or 'Home Tank' as '4.' Code '8' if No Answer.

- **Tracking Information.** Code as a single-digit number. If any useful tracking information is provided in Q D3, code as '1'; otherwise, code as '0.' "Useful" information could include the name of a contact person to call or write. Addresses must be specific to at least a city ("Florida," for example, is NOT useful).

CODING THE DISPOSITION CARDS

If Q B2 has been answered 'No' for a vehicle, that vehicle is no longer owned or used by the household. For every vehicle where Q B2 is answered 'No,' Qs B4 and B5 should be answered.

If the household states that they 'Never Had' the vehicle, code the Disposition Date as '959595' and the Odometer Reading as '999995.'

Use one line under the heading 'VEHICLE DISPOSITION CARDS' on the coding form per disposed vehicle. The four items to code for each disposed vehicle are:

- **Household ID Number.** Code the four-digit number found in the places described under the section 'CODING THE HOUSEHOLD CARD' above.
- **Vehicle Number.** Code as a two-digit number using a leading zero. The Vehicle Number is found at the top of each column of the vehicle inventory grid on the computer-generated vehicle page(s).
- **Vehicle Disposition Date.** Code as a six-digit number using two digits each for the month, day, and year that the vehicle was disposed. For example, if the vehicle was disposed of on March 15, 1994, code '031594.' If the month or day is unknown, code as '98.' The year should always be '93' (1993) or '94' (1994). If the questionnaire indicates that the vehicle was disposed of before November 1993, flag the questionnaire and leave it for Kevin K. or Jim D. If the date is missing, code as '989898.'
- **Odometer Reading.** Code as a six-digit number. Ignore tenths of a mile if they are given. Code leading zeros as necessary. If the 'Don't Know' box is checked, code as '999996.' Code as '999998' if No Answer.

CODING THE ACQUISITION CARDS

Information concerning vehicle acquisitions is found on pages 5 and 6 of the questionnaire. If Q C1 indicates that the household owns or has for their personal use any additional vehicles besides those already mentioned, then the number of vehicles and their descriptions should be indicated on pages 5 and 6.

- **Discrepancy between vehicles acquired and vehicles described.** There are three potential types of discrepancies. The first is when the number of vehicles in Q C2 is greater than those described in Qs C3 - C8. In this situation, look for a note stating that the household refused to provide any additional information. If some reason is

given why the information is missing, do not make any changes to the Q C2. The second situation is exactly the same as the first; however, here there is no note mentioning a refusal, interview termination, or other reason why the information isn't provided. In this case, edit Q C2 to the number of vehicles described. The final discrepancy is when there are more vehicles described in Qs C3 - C8 than are indicated in Q C2. In this situation, edit Q C2 to the number described in Qs C3 - C8.

Do not include motorcycles, very large trucks, or vehicles used solely for business.

Use one line on the coding form per acquired vehicle. There is room on the form to code up to four new vehicles. For each acquired vehicle, the following 11 fields must be coded:

- **Household ID Number.** Code the four-digit number found in the places described under the section 'CODING THE HOUSEHOLD CARD.'
- **Vehicle Number.** Code as a two-digit number using a leading zero. Care must be taken when assigning vehicle numbers to newly acquired vehicles. On the vehicle inventory page(s), look for the highest vehicle number. The vehicle number to assign to the first acquired vehicle(s) should be the next highest available vehicle number or the number '05,' whichever is higher. Increment subsequent vehicle numbers by 1.

Let's look at two examples. In the first example, the highest vehicle is '03' -- the third vehicle (making the next highest available number '04'). The acquired vehicle, therefore, should be number '05' because it is the higher of the two numbers you should compare ('04,' for the next available number, and '05').

For the second example, the highest vehicle number is '05.' The acquired vehicle, therefore, should be number '06' because it is the higher of the two numbers you should compare ('06,' for the next available number, and '05').

Be very careful about determining the new vehicle number. If you have any questions about the new vehicle number, put the questionnaire aside for Kevin K. or Jim D.

- **Vehicle Make Name.** Use up to a maximum of 14 spaces. Watch for transpositions of vehicle make and model names. If No Answer, leave blank. Please print clearly.
- **Vehicle Model Name.** Use up to a maximum of 14 spaces. If No Answer, leave blank. For trucks, if the only model name provided is the tonnage capacity of the vehicle, code the tonnage. If both model name and tonnage are given, code the model name first and then the tonnage, if it will fit. If you have any questions concerning make or model name, put the questionnaire aside for Kevin K. or Jim D.
- **Model Year.** Code as a two-digit number. If No Answer, code as '98.' If a range is given for the model year, code the midpoint. For example, if 1981-1983 is given, code as '82.'
- **Vehicle Type.** Code as a two-digit number. The types are precoded on the questionnaire. Code the leading zero, when necessary. If No Answer, code as '98.'

Set aside the questionnaire for all cases where the vehicle is coded as 'Other.' Bring these to the attention of Kevin K. or Jim D.

- **Date Vehicle Acquired.** Code a four-digit number for month and year of acquisition. Do not code day in this field. Use standard, two-digit codes for month. As with dispositions, the year should be '93' (1993) or '94' (1994). If the date is missing, code as '9898.' Any problems should be set aside for Kevin K. or Jim D.
- **Question C6 (Do You Know the Odometer Reading?).** Use a single-digit code. If No Answer, code an '8.'

Check the skip off of Q C6. If Q C6 is answered 'Yes,' Q C7 — mileage and date — should be answered and Q C8 should be coded as Not Applicable ('9'). If Q C6 is answered 'No,' Q C7 — mileage and date — should be coded as Not Applicable (both = '999999') and Q C8 should be answered. If Q C6 is not answered, but either Q C7 or C8 is, back edit Q C6 to the appropriate response.

- **Odometer Reading.** Code as a six-digit number. Ignore tenths of a mile if given. If Q C6 is 'Yes' and the odometer reading is blank, code as '999998.' If Not Applicable, code as '999999.'
- **Odometer Reading Date.** Code as a six-digit number according to the rules specified under the heading 'CODING THE DISPOSITION CARDS.' If a note refers to 'Today,' refer to the call record sheet for the correct date. If Q C6 is 'Yes' and the date is blank, code as '989898.' If Not Applicable, code as '999999.'
- **Was the Vehicle New When You Got It?** Code as a single-digit number. If Q C6 is 'No' and Q C8 is blank, code as '8.' If Not Applicable, code as '9.'

1994 Residential Transportation Energy Consumption Survey Mid-Year Coding Instructions, Condensed Version (REVISED)

Questionnaires packed in groups based on every 50 HHIDs (e.g., 1001-1050, 1051-1100).

Scope of coding task is based on whether or not a household has disposed of or acquired a vehicle.

THE CODING TASK

Scope of the Coding Task for Households with NO CHANGE of Vehicle Inventory

- Circle the HHID on the label on the front page of the questionnaire.
- Check Page 4 (most-recent-fuel-purchase questions). Do all questions have a proper code? The price per gallon should be three digits. Zero-fill as necessary.
- Code a '0' or '1' for tracking information on last page.

Scope of the Coding Task for Households WITH A CHANGE of Vehicle Inventory

- Minimum coding. Household card: HHID and Move in '94?
- If household still has a Veh 1. Household card: Price, Fuel Type, Service.
- If household disposed of a vehicle. One vehicle disposition card per vehicle disposed; code all items.
- If household acquired at least one vehicle. One vehicle acquisition card per vehicle acquired; code all items.

SUMMARY OF DETAILED CODING INSTRUCTIONS

Tracking Information (last page of questionnaire; one of two required items to code on household card)

If any useful tracking information is given, code '1.' Code '0' otherwise. "Useful" information could include the name of a contact person to call or write. Addresses must be specific to at least a city ("Florida," for example, is NOT useful).

Special Fuel Types

Leaded = '5'; Propane = '7'; Ethanol Blend = '9.' See instructions if octane rating is specified.

Special Types of Service

Bulk Sales, Home Delivery, or Home Tank all are coded '4.'

Vehicle Dispositions

- *Never Had The Vehicle:* Code date as '959595'; code miles as 999995.
- *Vehicle Number:* Code the leading zero.
- *Disposition Date:* Flag dispositions before November 1993.
- *Odometer Reading:* Watch for and/or ignore tenths of a mile.

Vehicle Acquisitions

- Do not accept motorcycles, mopeds, business-only vehicles, heavy trucks.
- *Vehicle Number:* Use "05" or next available vehicle number, *whichever is HIGHER.*
- *Vehicle Names:* Maximum of 14 characters.
- *Unknown Model Year/Model Type:* Code '98.'

WATCH SKIPS FROM Qs. C-6 THROUGH C-8!

CODE NOT APPLICABLES (9s) IN Q. C-7 OR C-8, WHICHEVER DOES NOT APPLY FOR THAT HOUSEHOLD.

WHEN YOU ARE FINISHED

Where to Return the Questionnaires

- Households with NO CHANGE in vehicle inventory: Return to pack.
- Households WITH A CHANGE in vehicle inventory: Sort the questionnaire into a separate box or pile. Keep the coded yellow forms together.

When You Are Finished With a Pack

Slip a yellow control card under the rubber band around the pack of questionnaires and initial the "Coded" box.

1994 RESIDENTIAL TRANSPORTATION ENERGY CONSUMPTION SURVEY
Mid-Year Coding Form

R. 10
 100494

HOUSEHOLD CARD

HHID (1-4)	CARD (6)	PRICE (8 - 10)	FUEL TYPE (12)	SERVICE (14)	MOVE IN '94? (16)
	H				

IS THERE A CHANGE IN ADDRESS, VEHICLE STOCK, OR VEHICLE INVENTORY??

VEHICLE DISPOSITION CARDS

HHID (1-4)	CARD (6)	VEH NUM (8-9)	VEH DISP DATE (11-16)	ODOMETER READING (18-23)
	D			
	D			
	D			
	D			

VEHICLE ACQUISITION CARDS

HHID (1-4)	CARD (6)	VEH NUM (8-9)	MAKE NAME (11-24)	MODEL NAME (26-39)	VEH YEAR (41-42)	VEH TYPE (44-45)	DATE VEH ACQD (47-50)	Q. C6 (52)	ODOM READ (54-59)	ODOM READ DATE (61-66)	NEW (68)
	A										
	A										
	A										
	A										

RT94-07

100494

**1994 RTECS MID-YEAR DATA COLLECTION
CODING AND DATA ENTRY CONTROL CARD**

DATA ENTRY BATCH # (if used): _____

CODING		DATA ENTRY	
Coded	Checked	Keyed	Verified
<i>Initial appropriate box as task is completed.</i>			

1994 Residential Transportation Energy Consumption Survey Mid-Year Keying Instructions

OVERVIEW

Enclosed you will find coding forms for households who have completed the 1994 Residential Transportation Energy Consumption Survey Mid-Year Telephone data collection. There are, potentially, three different cards of data to be punched per coding form. You will always key a household card **for every coding form**; You may have to key up to four records for one or both of the other two cards. Data entry must be 100% verified. Please write all of the records to a single dataset, sort the dataset by Household ID Number and Card Type (Cols. 1-4 and 6), and deliver the final dataset on a floppy disk in ASCII format. Below are keying specs for each card of data (please note that the coding form includes the column guides above each field):

HOUSEHOLD CARD

<u>Columns</u>	<u>Instructions</u>
1-4	Numeric; never blank
5	Always blank
6	"H"
7	Always blank
8-10	Numeric; may be blank
11	Always blank
12	Numeric; may be blank
13	Always blank
14	Numeric; may be blank
15	Always blank
16	Numeric; never blank

DISPOSITION CARD

<u>Columns</u>	<u>Instructions</u>
1-4	Numeric; never blank
5	Always blank
6	"D"
7	Always blank
8-9	Numeric; never blank
10	Always blank
11-16	Numeric; never blank
17	Always blank
18-23	Numeric; never blank

ACQUISITION CARD

<u>Columns</u>	<u>Instructions</u>
1-4	Numeric; never blank
5	Always blank
6	"A"
7	Always blank
8-9	Numeric; never blank
10	Always blank
11-24	Alpha/punctuation/blanks; left justify; blanks allowed as coded; entire field may be blank
25	Always blank
26-39	Alpha/numeric/punctuation/blanks; left justify; data in this field will be mostly alpha although numeric, punctuation, and blanks are allowed as coded; entire field may be blank
40	Always blank
41-42	Numeric; never blank
43	Always blank
44-45	Numeric; never blank
46	Always blank
47-50	Numeric; never blank
51	Always blank
52	Numeric; never blank
53	Always blank
54-59	Numeric; never blank
60	Always blank
61-66	Numeric; never blank
67	Always blank
68	Numeric; never blank



Department of Energy
Washington, DC 20585

January 1995

Thank You!

During the last year you have participated in the U.S. Department of Energy's (DOE) Residential Transportation Energy Consumption Survey (RTECS). This RTECS information, when linked with the energy consumption used in the home from the Residential Energy Consumption Survey, provides information on all energy used in the residential sector. Response Analysis Corporation is the data collection contractor for DOE for both surveys.

As part of the RTECS, we now need to update information and ask a few additional questions concerning your vehicles and their use. Information obtained from you will represent thousands of other households that have similar vehicles.

We hope that you will assist us by completing the enclosed cards. It will only take a few minutes. After filling out the cards, please return them in the enclosed postage paid envelope.

The information you provide and your identity will be held strictly confidential in accordance with the provisions of the Privacy Act of 1974. (See the statement on the other side of this letter for further details on the Privacy Act and public reporting burden.) No information linking your name and address with the data you provide will ever be given to the Department of Energy or to any other government agency.

Your participation is very important to the success of this research and is totally voluntary. Please call Jim Devlin of Response Analysis Corporation toll-free at 1-800-888-9213 if you have any questions about this survey. Thank you again for your cooperation.

Sincerely,

Lynda T. Carlson
Director, Energy End Use and
Integrated Statistics Division
Energy Information Administration

Enclosure(s)

PRIVACY ACT NOTICE

This Residential Transportation Energy Consumption Survey (RTECS) is being conducted by the Response Analysis Corporation for the U.S. Department of Energy. It is authorized under Section 52 of the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended.

The purpose of this survey is to collect information on vehicles used by households for personal use to help the Department of Energy and other Federal agencies to administer programs, assess energy usage, and plan for our energy future.

Once the data about vehicle consumption and expenditures have been linked with the information describing your household and we have concluded our planned contacts with your household, all information linking the data with your name and address will be destroyed.

The Department of Energy will receive only your answers, not your name or address. Your answers will be screened to protect your identity; neither the Department of Energy, nor any other Government agency, will be able to locate your household.

Your participation in this survey is voluntary.

PUBLIC REPORTING BURDEN

Public reporting burden is estimated to average 15 minutes for the telephone interview and completion of the enclosed cards.

Send comments regarding public reporting burden or any other aspects of this collection of information, including suggestions for reducing this burden to:

Energy Information Administration
Office of Statistical Standards
EI-73, Room 205
1707 H Street, Northwest
Washington, D.C. 20585

and

Office of Information and Regulatory Affairs
Office of Management and Budget
Washington, D.C. 20503

Response Analysis

577 Wall Street • P.O. Box 158 • Princeton, NJ • 08542-0158 • 609.921.5555 • Fax 609.921.2611

January 1995

Thank You!

Over the past year your household has been helpful in providing Response Analysis Corporation with vital information about your household vehicles. The 1994 Residential Transportation Energy Consumption Survey (RTECS) furnishes the Department of Energy information about the use and fuel consumption of vehicles used for personal transportation on the road today.

I now need your assistance with the closing phase of the survey. During this ~~contact~~, we will update our records of your household's vehicles and collect information regarding their use during the past year. Your cooperation is especially important because your household, which cannot be replaced in the survey, represents thousands of other households that have similar vehicles, or no vehicles at all.

I hope that you will assist us in this final phase by completing the enclosed cards. This will only take a few minutes. I have enclosed an instruction page that explains how to use the cards.

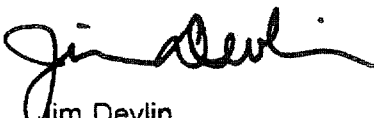
After you fill these out, please return them using the self-addressed, postage-paid envelope that I have included in the mailing.

I am also enclosing a letter about this survey from Dr. Lynda T. Carlson of the Energy Information Administration. Please note that all information you provide will be kept strictly confidential. No information that can be linked to your name or address will ever be furnished to the Department of Energy or to any other government agency.

Your voluntary participation in the concluding phase of the 1994 Residential Transportation Energy Consumption Survey is very important to the success of the research. Please call me, toll-free, at 1 (800) 888-9213 if you have any questions regarding the study.

Thank you again for your continued cooperation.

Sincerely,



Jim Devlin
Survey Manager

Response Analysis

577 Wall Street • P.O. Box 158 • Princeton, NJ • 08542-0158 • 609 921 5555 • Fax 609 921 2611

March 1995

Thank You!

I appreciate the help you have given Response Analysis Corporation over the past year with information about the vehicles in your household. The study, called the 1994 Residential Transportation Energy Consumption Survey (RTECS), furnishes the Department of Energy information about the use and fuel consumption of vehicles used for personal transportation on the road today.

I am writing you because the study will soon be over and we have not been able to complete the last phase for your household. Your help is very important to the success of the research because your household represents thousands of other households that have similar vehicles or no vehicles at all. We cannot replace you in the survey.

I hope that you will assist us with this final contact by completing the enclosed form. We need to confirm some information about the vehicles used by your household. This will only take a few minutes. After you fill out the form, please return it in the enclosed postage-paid envelope.

Please note that all information you provide will be kept strictly confidential in accordance with the Privacy Act of 1974. Your participation is voluntary, but no information that can be linked to your name or address will ever be furnished to the Department of Energy or to any other agency.

If you have any questions regarding the study, please call me toll-free at 1 (800) 888-9213. Thank you again for your continued cooperation.

Sincerely,



Jim Devlin
Survey Manager

Enclosures

ODOMETER READING CARD
1994 Residential Transportation Energy Consumption Survey

Form Approval
OMB No.: 1905-CC-
Expires: 01/31/97



THIS CARD IS FOR YOUR:

U.S. DEPARTMENT OF ENERGY
ENERGY INFORMATION ADMINISTRATION

Please see the instructions on the other
side of this card before you begin.

Please write down the total mileage
(odometer reading) for this vehicle

Whole Miles Only

and the date on which it was recorded

Date Recorded

Check here if household no longer has vehicle ☐ or odometer is not working ☐

After you have filled in the information requested, please return the card using the enclosed, self-addressed
Business Reply envelope to: U.S. Department of Energy, P.O. Box 7335, Princeton, NJ 08543-9967.

THANKS FOR YOUR HELP.

EIA-879C2

Instructions for Completing Odometer Reading Card

If your odometer (mileage meter) registers tenths of miles, please ignore tenths and record only whole number of miles.

If your household no longer has this vehicle or if the odometer does not work, please mark the appropriate box on the other side of this card.

.. this card has a blank label and your household now owns or regularly uses another **vehicle** for which we did not send an Odometer Reading Card, please record the model year, make name (manufacturer), model name, and vehicle type on the card label.

**1994 Residential Transportation Energy Consumption Survey
VEHICLE IDENTIFICATION NUMBER CARD**

Form Approval:
OMB No.: 1905-0068
Expires: 01/31/97



**U.S. DEPARTMENT OF ENERGY
ENERGY INFORMATION ADMINISTRATION**

THIS CARD IS FOR YOUR:

In order for us to estimate the fuel efficiency of this vehicle, it would be helpful to know the **Vehicle Identification Number (VIN)**.
A VIN provides information that enables researchers to estimate fuel economy for all types of cars, trucks, and other vehicles. In this survey, your vehicles will represent those from thousands of other households that have a similar vehicle.
The VIN is a set of codes assigned to a vehicle at the factory that, when decoded, describes several of the vehicle's characteristics. These characteristics may then be used to calculate an estimated miles per gallon for that specific type of vehicle.

PLEASE SEE THE OTHER SIDE OF THIS CARD FOR INSTRUCTIONS ON WHERE TO FIND THE VEHICLE IDENTIFICATION NUMBER.

For the vehicle described at the top of the card, please carefully record its **Vehicle Identification Number** below.

VIN: _____

Check here if you cannot find the Vehicle Identification Number

☐

After you have filled in the information requested, please return the card using the self-addressed Business Reply envelope to the U.S. Department of Energy, P.O. Box 7335, Princeton, NJ 08543-9967.
If you have any questions about the survey, call Mr. Jim Devlin, toll-free at, 1 (800) 888-9213.

4-879D2

THANKS FOR YOUR HELP.

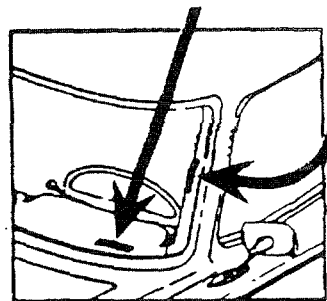
PLEASE READ THE OTHER SIDE OF THIS CARD FIRST
INSTRUCTIONS ON WHERE TO FIND THE VEHICLE IDENTIFICATION NUMBER

The Vehicle Identification Number (VIN) is a combination of digits and letters. It is usually 17 letters and digits long. Here is an example of what the VIN may look like:

1FABP28A6FF143890

The Vehicle Identification Number may be found in a number of places:

- a. On the vehicle.
Look for a small metal label that **can be read while standing outside the vehicle**.
Look for the label on the driver's side of the dashboard or on the window post.
Sometimes it is on the driver's door.
- b. On the motor vehicle registration certificate.
- c. On an insurance card or insurance policy for the vehicle.
- d. On the vehicle title.
- e. On a State safety or emissions inspection certificate.
- f. On the bill of sale for the vehicle.



Caution . . . The Vehicle Identification Number is usually not found on your driver's license or on the vehicle license plates.

Once you have located the Vehicle Identification Number, copy it down on the other side of this card exactly as it appears on the vehicle, or on the document you are using.

For the sample VIN given above, we would write:

VIN: 1 F A B P 2 8 A 6 F F 1 4 3 8 9 0

1994 RESIDENTIAL TRANSPORTATION ENERGY CONSUMPTION SURVEY

Please record today's date here: _____, 1995

Below is a summary of the vehicle information we have collected from your household during the past year. Please change any incorrect vehicle information or supply missing information, where needed. If a vehicle listed below is no longer in your household, check the "NO LONGER HAVE THIS VEHICLE" box.

Please record the odometer reading for each vehicle – ignore tenths of a mile. Also, record the Vehicle Identification Number for any vehicle where it is missing. A brief instruction page is enclosed describing where to find the Vehicle Identification Number (VIN).

After filling out the form, please return it in the enclosed postage-paid, self-addressed envelope.

Year: [Year]	Type: [Vehicle Type]	<input type="checkbox"/> NO LONGER HAVE THIS VEHICLE
Make: [Make Name]	Model: [Model Name]	

ODOMETER READING: _____ VIN: _____ 1

Year: [Year]	Type: [Vehicle Type]	<input type="checkbox"/> NO LONGER HAVE THIS VEHICLE
Make: [Make Name]	Model: [Model Name]	

ODOMETER READING: _____ VIN: _____ 2

Year: [Year]	Type: [Vehicle Type]	<input type="checkbox"/> NO LONGER HAVE THIS VEHICLE
Make: [Make Name]	Model: [Model Name]	

ODOMETER READING: _____ VIN: _____ 3

Year: [Year]	Type: [Vehicle Type]	<input type="checkbox"/> NO LONGER HAVE THIS VEHICLE
Make: [Make Name]	Model: [Model Name]	

ODOMETER READING: _____ VIN: _____ 4

1994 RESIDENTIAL TRANSPORTATION ENERGY CONSUMPTION SURVEY

(Please read the other side first)

Year: [Year] Type: [Vehicle Type] ☐ NO LONGER HAVE THIS VEHICLE
Make: [Make Name] Model: [Model Name]

ODOMETER READING: _____ VIN: _____ 5

Year: [Year] Type: [Vehicle Type] ☐ NO LONGER HAVE THIS VEHICLE
Make: [Make Name] Model: [Model Name]

ODOMETER READING: _____ VIN: _____ 6

Year: [Year] Type: [Vehicle Type] ☐ NO LONGER HAVE THIS VEHICLE
Make: [Make Name] Model: [Model Name]

ODOMETER READING: _____ VIN: _____ 7

ADDITIONAL VEHICLE INFORMATION

Please use the space below to describe any vehicles available for your personal use that are not described above (Vehicle type is: "Car," "Station Wagon," "Large Van," "Minivan," "Pickup truck," "Sport-utility," or "Other").

Model Year: _____ Make: _____ Model: _____ Vehicle Type: _____

ODOMETER READING: _____ VIN: _____

1994 RESIDENTIAL TRANSPORTATION ENERGY CONSUMPTION SURVEY

Please record today's date here: _____, 1995

At last contact, our records indicate that your household had no vehicles available for personal use. If a vehicle is now available to your household, please use the space below to describe it (Vehicle type is: "Car," "Station Wagon," "Large Van," "Minivan," "Pickup truck," "Sport-utility," or "Other").

Please record the odometer reading for each vehicle – ignore tenths of a mile. Also, record the Vehicle Identification Number for any vehicle. A brief instruction page is enclosed describing where to find the Vehicle Identification Number (VIN).

Model Year: _____ Make: _____ Model: _____ Vehicle Type: _____

ODOMETER READING: _____ VIN: _____

Model Year: _____ Make: _____ Model: _____ Vehicle Type: _____

ODOMETER READING: _____ VIN: _____

PLEASE CHECK THIS BOX IF YOUR HOUSEHOLD HAS NO VEHICLES AVAILABLE FOR PERSONAL USE ☐

After filling out the form, please return it in the enclosed postage-paid, self-addressed envelope.



Department of Energy

Washington, DC 20585

January 1995

Thank You!

During the last year you have participated in the U.S. Department of Energy's (DOE) Residential Transportation Energy Consumption Survey (RTECS). This RTECS information, when linked with the energy consumption used in the home from the Residential Energy Consumption Survey, provides information on all energy used in the residential sector. Response Analysis Corporation is the data collection contractor for DOE for both surveys.

As part of the RTECS, we now need to update information and ask a few additional questions concerning your vehicles and their use. Information obtained from you will represent thousands of other households that have similar vehicles.

We hope that you will assist us by completing the enclosed cards. It will only take a few minutes. After filling out the cards, please keep them near your telephone. You will receive a call in the next few weeks to get the information.

The information you provide and your identity will be held strictly confidential in accordance with the provisions of the Privacy Act of 1974. (See the statement on the other side of this letter for further details on the Privacy Act and public reporting burden.) No information linking your name and address with the data you provide will ever be given to the Department of Energy or to any other government agency.

Your participation is very important to the success of this research and is totally voluntary. Please call Jim Devlin of Response Analysis Corporation toll-free at 1-800-888-9213 if you have any questions about this survey. Thank you again for your cooperation.

Sincerely,

Lynda T. Carlson
Director, Energy End Use and
Integrated Statistics Division
Energy Information Administration

Enclosure(s)

PRIVACY ACT NOTICE

This Residential Transportation Energy Consumption Survey (RTECS) is being conducted by the Response Analysis Corporation for the U.S. Department of Energy. It is authorized under Section 52 of the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended.

The purpose of this survey is to collect information on vehicles used by households for personal use to help the Department of Energy and other Federal agencies to administer programs, assess energy usage, and plan for our energy future.

Once the data about vehicle consumption and expenditures have been linked with the information describing your household and we have concluded our planned contacts with your household, all information linking the data with your name and address will be destroyed.

The Department of Energy will receive only your answers, not your name or address. Your answers will be screened to protect your identity; neither the Department of Energy, nor any other Government agency, will be able to locate your household.

Your participation in this survey is voluntary.

PUBLIC REPORTING BURDEN

Public reporting burden is estimated to average 5 minutes for the completion of the enclosed cards.

Send comments regarding public reporting burden or any other aspects of this collection of information, including suggestions for reducing this burden to:

Energy Information Administration
Office of Statistical Standards
EI-73, Room 205
1707 H Street, Northwest
Washington, D.C. 20585

and

Office of Information and Regulatory Affairs
Office of Management and Budget
Washington, D.C. 20503

Response Analysis

577 Wall Street • P.O. Box 158 • Princeton, NJ • 08542-0158 • 609 921 5555 • Fax 609 921 2611

January 1995

Thank You!

Over the past year your household has been helpful in providing Response Analysis Corporation with vital information about your household vehicles. The 1994 Residential Transportation Energy Consumption Survey (RTECS) furnishes the Department of Energy information about the use and fuel consumption of vehicles used for personal transportation on the road today.

I now need your assistance with the closing phase of the survey. During this contact, we will update our records of your household's vehicles and collect information regarding their use during the past year. Your cooperation is especially important because your household, which cannot be replaced in the survey, represents thousands of other households that have similar vehicles, or no vehicles at all.

I hope that you will assist us in this final phase by completing the enclosed cards. This will only take a few minutes. I have enclosed an instruction page that explains how to use the cards.

After you fill these out, please keep them near your telephone. A representative of Response Analysis will be calling you shortly to collect the information you have recorded on the cards.

I am also enclosing a letter about this survey from Dr. Lynda T. Carlson of the Energy Information Administration. Please note that all information you provide will be kept strictly confidential. No information that can be linked to your name or address will ever be furnished to the Department of Energy or to any other government agency.

Your voluntary participation in the concluding phase of the 1994 Residential Transportation Energy Consumption Survey is very important to the success of the research. Please call me, toll-free, at 1 (800) 888-9213 if you have any questions regarding the study.

Thank you again for your continued cooperation.

Sincerely,



Jim Devlin
Survey Manager

ODOMETER READING CARD
1994 Residential Transportation Energy Consumption Survey

Form Approval
OMB No. 1905-0066
Expires: 01/31/97



U.S. DEPARTMENT OF ENERGY
ENERGY INFORMATION ADMINISTRATION

Please see the instructions on the other
side of this card before you begin.

Please write down the total mileage
(odometer reading) for this vehicle

Whole Miles Only

and the date on which it was recorded

Date Recorded

Check here if household no longer has vehicle

☐

or odometer is not working

☐

After you have filled in the information requested, please keep this card near your telephone. A representative of Response Analysis will be calling you to record the information. Or, if you will be difficult to reach by phone, please call Mr. Jim Devlin, toll-free, at 1 (800) 888-9213.

THANKS FOR YOUR HELP.

A-879C1

Instructions for Completing Odometer Reading Card

If your odometer (mileage meter) registers tenths of miles, please ignore tenths and record only whole number of miles.

If your household no longer has this vehicle or if the odometer does not work, please mark the appropriate box on the other side of this card.

If this card has a blank label and your household now owns or regularly uses another vehicle for which we did not send an Odometer Reading Card, please record the model year, make name (manufacturer), model name, and vehicle type on the card label.

**1994 Residential Transportation Energy Consumption Survey
VEHICLE IDENTIFICATION NUMBER CARD**

Form Approval:
OMB No.: 1905-0068
Expires: 01/31/97



THIS CARD IS FOR YOUR:

**U.S. DEPARTMENT OF ENERGY
ENERGY INFORMATION ADMINISTRATION**

For us to estimate the fuel efficiency of this vehicle, it would be helpful to know the **Vehicle Identification Number (VIN)**.
The VIN provides information that enables researchers to estimate fuel economy for all types of cars, trucks, and other vehicles. In this survey, your vehicle will represent those from thousands of other households that have a similar vehicle.
The VIN is a set of codes assigned to a vehicle at the factory that, when decoded, describes several of the vehicle's characteristics. These characteristics may then be used to calculate an estimated miles per gallon for that specific type of vehicle.

PLEASE SEE THE OTHER SIDE OF THIS CARD FOR INSTRUCTIONS ON WHERE TO FIND THE VEHICLE IDENTIFICATION NUMBER.

For the vehicle described at the top of the card, please carefully record its **Vehicle Identification Number** below.

VIN: _____

Check here if you cannot find the Vehicle Identification Number ☐

After you have filled in the information requested, please return this card near your telephone. A representative of Response Analysis will be calling you to get the information. If you will be difficult to reach by phone, or if you have any questions about this survey, call Mr. Jim Devlin, toll-free at, 1 (800) 888-9213.

THANKS FOR YOUR HELP

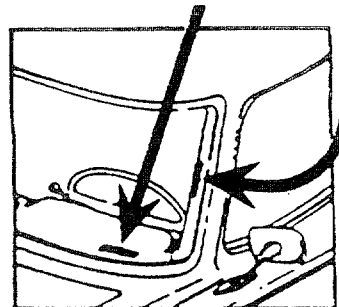
PLEASE READ THE OTHER SIDE OF THIS CARD FIRST
INSTRUCTIONS ON WHERE TO FIND THE VEHICLE IDENTIFICATION NUMBER

The Vehicle Identification Number (VIN) is a combination of digits and letters. It is usually 17 letters and digits long. Here is an example of what the VIN may look like:

1FABP28A6FF143890

The Vehicle Identification Number may be found in a number of places:

- a. On the vehicle.
Look for a small metal label that **can be read while standing outside the vehicle**.
Look for the label on the driver's side of the dashboard or on the window post.
Sometimes it is on the driver's door.
On the motor vehicle registration certificate.
- c. On an insurance card or insurance policy for the vehicle.
- d. On the vehicle title.
- e. On a State safety or emissions inspection certificate.
- f. On the bill of sale for the vehicle.



Caution . . . The Vehicle Identification Number is usually **not** found on your driver's license or on the vehicle license plates.

Once you have located the Vehicle Identification Number, copy it down on the other side of this card exactly as it appears on the vehicle, or on the document you are using.

For the sample VIN given above, we would write:

VIN: 1 F A B P 2 8 A 6 F F 1 4 3 8 9 0

1994 RESIDENTIAL TRANSPORTATION ENERGY CONSUMPTION SURVEY

HOW TO USE THE ENCLOSED CARDS
Please read this first -- before filling out any cards

1. There are two types of cards in the package.

- ODOMETER CARDS

- VEHICLE IDENTIFICATION NUMBER (VIN) CARDS

2. The label in the upper right corner of each card identifies which vehicle the card is for. The information was collected during earlier contacts we have had with your household. For each vehicle, we have filled in the label with the year, make, model, and type of vehicle. An additional set of odometer and VIN cards has also been prepared with blank labels.

3. Cards with complete labels

An odometer card has been prepared for each vehicle recorded for your household. Please follow the instructions on the card when recording the requested information. If your household no longer owns or has the use of the vehicle, please indicate that fact on the card. If the odometer no longer works, indicate that on the card also.

A VIN card has been prepared only for vehicles for which no VIN number was reported during earlier contacts, or for which the VIN number was incorrectly recorded. If all VIN numbers were reported and recorded correctly, you will receive no VIN cards with **complete labels** among your cards. If you do receive a VIN card that identifies a specific vehicle, please follow the instructions on the card.

4. Cards with blank labels

The odometer and VIN cards with **blank labels** have been provided in the event that your household currently owns or uses a vehicle for which we have no record. If your household now owns or regularly uses such a vehicle, please complete the identifying information requested on the label in addition to recording the odometer and VIN information on the respective cards. The identifying information requested is model year, make name (manufacturer), model, name and vehicle type. Vehicle types are car, station wagon, large van, minivan, pickup truck, sports-utility vehicle, and other (such as motor home). If more than one vehicle has been obtained, please call Mr. Jim Devlin, toll-free, at 1(800)888-9213.

THANK YOU VERY MUCH.

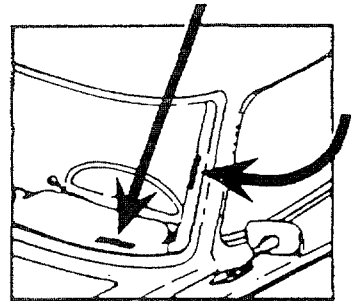
INSTRUCTIONS ON WHERE TO FIND THE VEHICLE IDENTIFICATION NUMBER

The Vehicle Identification Number (VIN) is a combination of digits and letters. It is usually 17 letters and digits long. Here is an example of what the VIN may look like:

1FABP28A6FF143890

The Vehicle Identification Number may be found in a number of places:

- a. On the vehicle.
Look for a small metal label that can be read **while standing outside the vehicle**.
Look for the label on the driver's side of the dashboard or on the window post.
Sometimes it is on the driver's door.
- b. On the motor vehicle registration certificate.
- c. On an insurance card or insurance policy for the vehicle.
- d. On the vehicle title.
- e. On a State Safety or emissions inspection certificate.
- f. On the bill of sale for the vehicle.



Caution . . . The Vehicle Identification Number is usually **not** found on your driver's license or on the vehicle license plates.

1994 RESIDENTIAL TRANSPORTATION ENERGY CONSUMPTION SURVEY
(END-OF-YEAR TELEPHONE SURVEY)

ASK FIRST TO SPEAK WITH THE PERSON WHOSE NAME APPEARS ON THE SCREEN. IF HE/SHE IS UNAVAILABLE, THE INTERVIEW MAY BE COMPLETED WITH A SPOUSE OR OTHER KNOWLEDGEABLE MEMBER OF THE HOUSEHOLD.

Hello, this is _____ calling from Response Analysis Corporation (RAC), in Princeton, New Jersey. We recently sent a letter about a special study that the U.S. Department of Energy has asked us to do on energy use by household vehicles.

IF ASKED ABOUT CONFIDENTIALITY, STATE:

This survey is voluntary and authorized under the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended. Any information you provide will be kept strictly confidential. The identity of individual households will be removed before the data are delivered to the Department of Energy. Results of the study will be presented in summary form only.

A1. First, I would like to check that we have your correct mailing address. Is it . . . ? (READ ADDRESS SHOWN ON LABEL.)

- ☐ YES -- CONTINUE WITH Q. A2
☐ NO -- COMPLETE Qs. A1a AND A1b

A1a. IF MAILING ADDRESS IS INCORRECT, CORRECT ONLY THE ERRONEOUS INFORMATION.

STREET ADDRESS: _____ APT. NO. _____

CITY, STATE: _____ ZIP: _____

A1b. When did you move to (ADDRESS NOTED ABOVE)?

MONTH AND YEAR: _____ ☐ DIDN'T MOVE; ONLY A CORRECTION

A2. Within the last couple of weeks, we mailed you some cards for recording the total mileage and, perhaps, the Vehicle Identification Number for your vehicles.

A2a. Did you receive the cards?

- ☐ YES -- CONTINUE WITH Q. A2b
- ☐ NO -- READ INTRODUCTORY SCRIPT; RECORD "NO" ON ODOMETER/VIN SUMMARY; SKIP TO Q. INSTRUCTION ABOVE Q. A3
- ☐ HAS NO VEHICLE -- SKIP TO Q. INSTRUCTION ABOVE Q. A3

IF "YES" ON Q. A2a, ASK:

A2b. Have you filled out these cards yet?

- ☐ YES -- CONTINUE WITH Q. A2c
- ☐ NO -- RECORD "NO" ON ODOMETER/VIN SUMMARY; SKIP TO INSTRUCTION ABOVE Q. A3
- ☐ HAS NO VEHICLE -- SKIP TO Q. INSTRUCTION ABOVE Q. A3

IF "YES" FOR Q. A2b, ASK:

A2c. Can you bring these cards to the phone?

- ☐ YES -- SKIP TO Q. A3
- ☐ NO -- RECORD "NO" ON ODOMETER/VIN SUMMARY; SKIP TO INSTRUCTION ABOVE Q. A3
- ☐ HAS NO VEHICLE -- SKIP TO Q. INSTRUCTION ABOVE Q. A3

INTRODUCTORY SCRIPT:

Over the past year, your household has been helpful in our study of residential vehicles that we're conducting for the U. S. Department of Energy. This is the final phase of the project -- your voluntary participation will make our information for your household complete. The cards I just mentioned were sent for each of your household vehicles, but we can conduct the interview without them.

IF, "HAS NO VEHICLE" STATED, READ:

Thank you. I will make a note of that. I have just a few questions to ask you and we'll be finished with the interview.

SECTION A: CURRENT VEHICLE STOCK QUESTIONNAIRE

IF NO VEHICLE IS LISTED ON RECORD: SKIP TO Q. C1.

IF ONE OR MORE VEHICLES ARE LISTED ON RECORD, ASK ALL QUESTIONS FOR VEHICLE 1, THEN GO TO VEHICLE 2, VEHICLE 3, AND VEHICLE 4.
--

A3. I have a description of the vehicle(s) mentioned at the time of our most recent contact with your household. I would like to verify (this/these) description(s) with you.

Do you still have a (DESCRIBE VEHICLE)? YES (GO TO Q. A4)

(IF NO OTHER VEHICLE, GO TO Q. C1) NO (GO TO Q. B1)

NEVER HAD (GO TO NEXT VEHICLE.)

IF "YES" FOR Q. A3, ASK:

A4. Have I described it correctly? (IF "NO," CORRECT BAD INFORMATION. ALSO TRY TO OBTAIN ANY MISSING INFORMATION.) YES

IF "NO" ON ODOMETER/VIN SUMMARY, SKIP TO Q. A8. NO

A5. What is the odometer reading for this vehicle? (READ BACK TO VERIFY. DO NOT RECORD TENTHS OF MILES.) (IF "DON'T KNOW," MARK "NO" ON ODOMETER/VIN SUMMARY AND SKIP TO Q. A8.) MILES

DON'T KNOW

BROKEN ODOMETER (GO TO Q. A7)

IF MILEAGE GIVEN IN Q. A5, ASK:

A6. On what date was the mileage recorded? (USE NUMBER FOR MONTH.) MONTH

DON'T KNOW MONTH

DAY

DON'T KNOW DAY

Vehicle Number			
#1	#2	#3	#4
1	1	1	1
0	0	0	0
8	8	8	8
1	1	1	1
0	0	0	0
_____	_____	_____	_____
999996	999996	999996	999996
999997	999997	999997	999997
_____	_____	_____	_____
96	96	96	96
_____	_____	_____	_____
96	96	96	96

IF VIN ON RECORD IS BLANK, ASK:

- A7. What is the Vehicle Identification Number for this vehicle? (HAVE RESPONDENT READ THIS FROM THE VIN CARD FOR THAT VEHICLE. READ BACK TO VERIFY.)

1	VIN: _____ VIN REFUSED []
2	VIN: _____ VIN REFUSED []
3	VIN: _____ VIN REFUSED []
4	VIN: _____ VIN REFUSED []

INTERVIEWER: DESCRIBE RESPONDENT'S REASON OR REACTION IF REFUSING VIN.

IF VEHICLE WAS ACQUIRED AT MID-YEAR CONTACT, ASK Qs. A8-A12. IF VEHICLE WAS REPORTED AT BEGINNING-OF-YEAR CONTACT, ASK ONLY THOSE QUESTIONS THAT WERE NOT ANSWERED THEN.

		Vehicle Number			
		#1	#2	#3	#4
A8. Does this vehicle have an automatic transmission or manual shift?	AUTOMATIC	1	1	1	1
	MANUAL SHIFT	2	2	2	2
	DON'T KNOW	6	6	6	6
A9. Does it have front-wheel, rear-wheel, or 4-wheel drive? (IF RESPONDENT SAYS COMBINATION THAT INCLUDES 4-WHEEL DRIVE, MARK "4-WHEEL.")	FRONT-WHEEL	1	1	1	1
	REAR-WHEEL	2	2	2	2
	4-WHEEL	3	3	3	3
	OTHER (SPECIFY)	5	5	5	5
	DON'T KNOW	6	6	6	6
A10. Does it have air-conditioning? (MARK "YES" EVEN IF IT DOES NOT WORK OR IS NOT USED.)	YES	1	1	1	1
	NO	0	0	0	0
	DON'T KNOW	6	6	6	6
A11. How many cylinders does the engine have?	3-CYLINDER	03	03	03	04
	4-CYLINDER	04	04	04	04
	5-CYLINDER	05	05	05	05
	6-CYLINDER	06	06	06	06
	8-CYLINDER	08	08	08	08
	10-CYLINDER	10	10	10	10
	12-CYLINDER	12	12	12	12
	ROTARY	13	13	13	13
	OTHER (SPECIFY)	21	21	21	21
A12. Does the fuel system use a carburetor, fuel injection, or is it a diesel or electric engine? (IF "DIESEL," SKIP TO Q. A14. IF "ELECTRIC," SKIP TO Q. A19.)	DON'T KNOW	96	96	96	96
	CARBURETOR	1	1	1	1
	FUEL INJECTION	2	2	2	2
	DIESEL	3	3	3	3
	ELECTRIC	4	4	4	4
	OTHER (SPECIFY)	5	5	5	5
	DON'T KNOW	6	6	6	6

		Vehicle Number				
		#1	#2	#3	#4	
A13.	During the past year, what kind of fuel did you purchase most often for this vehicle? Was it . . . ? (READ CATEGORIES.)	Unleaded regular	01	01	01	01
		Unleaded midgrade	02	02	02	02
		Unleaded premium	03	03	03	03
		Diesel	04	04	04	04
		Leaded gasoline	05	05	05	05
		Ethanol blend/Gasahol	06	06	06	06
		Natural gas	07	07	07	07
		Propane	08	08	08	08
		Alcohol	09	09	09	09
		Other fuel (SPECIFY)	21	21	21	21
		DON'T KNOW	96	96	96	96
A14.	When you bought fuel for this vehicle during the past year, which did you use more often, full-service pumps or self-service pumps?	FULL-SERVICE	1	1	1	1
		SELF-SERVICE/ MINISERVICE	2	2	2	2
		BOTH EQUALLY	3	3	3	3
		BULK SALES, HOME TANK/DELIVERY	4	4	4	4
		OTHER (SPECIFY)	5	5	5	5
		DON'T KNOW	6	6	6	6
A15.	What price per gallon did you pay the last time you purchased fuel for this vehicle? (IGNORE TENTHS OF A CENT.)	PRICE	\$ _____	\$ _____	\$ _____	\$ _____
		DON'T KNOW	996	996	996	996
A16.	What kind of fuel was purchased at that time? Was it . . . ? (READ CATEGORIES.)	Unleaded regular	01	01	01	01
		Unleaded midgrade	02	02	02	02
		Unleaded premium	03	03	03	03
		Diesel	04	04	04	04
		Leaded gasoline	05	05	05	05
		Ethanol blend/Gasahol	06	06	06	06
		Natural gas	07	07	07	07
		Propane	08	08	08	08
		Alcohol	09	09	09	09
		Other fuel (SPECIFY)	21	21	21	21
		DON'T KNOW	96	96	96	96

		Vehicle Number				
		#1	#2	#3	#4	
A17.	What is your best estimate of the average miles per gallon for this vehicle? (IF "DON'T KNOW," SKIP TO Q. A19.)	MPG				
	DON'T KNOW	96	96	96	96	
A18.	Is your estimate for miles per gallon from a log that you keep for fuel purchases, from an on-board computer, the advertised mpg, or just a rough estimate?	LOG (RECORDS)	1	1	1	1
	ON-BOARD COMPUTER	2	2	2	2	
	ADVERTISED MPG	3	3	3	3	
	ROUGH ESTIMATE	4	4	4	4	
	OTHER (SPECIFY)	5	5	5	5	
	DON'T KNOW	6	6	6	6	
A19.	Which of the following best describes the type of driving conditions for this vehicle: mostly stop-and-go, mostly open-road driving, or some combination of these?	STOP-AND-GO	1	1	1	1
	OPEN-ROAD	2	2	2	2	
	COMBINATION	3	3	3	3	
	OTHER (SPECIFY)	4	4	4	4	
	DON'T KNOW	6	6	6	6	
A20.	What is the age and sex of the household member who usually drives this vehicle?	AGE				
	95 OR OLDER	95	95	95	95	
	DON'T KNOW AGE	96	96	96	96	
	MALE	1	1	1	1	
	FEMALE	2	2	2	2	
	DON'T KNOW SEX	6	6	6	6	
A21.	Is this vehicle ever used for even part of a commute to and from work? (IF "NO"/"DON'T KNOW," GO TO INSTRUCTIONS AFTER Q. A24.)	YES	1	1	1	1
	NO	0	0	0	0	
	DON'T KNOW	6	6	6	6	

IF "YES" FOR Q. 21, ASK:

A22. When the vehicle is used for that commute, how many miles is it driven one-way? (RECORD MILES FOR ONE-WAY, NOT ROUND TRIP.)

MILES
NO FIXED
PLACE OF
WORK
DON'T KNOW

A23. How many minutes does that one-way trip usually take? (RECORD MINUTES FOR ONLY THAT PART OF THE TRIP SPENT IN THE VEHICLE.)

MINUTES
NO FIXED
PLACE OF
WORK
DON'T KNOW

A24. How many days per week is the vehicle used for commuting?

DAYS
DON'T KNOW

Vehicle Number			
#1	#2	#3	#4
_____	_____	_____	_____
995	995	995	995
996	996	996	996
_____	_____	_____	_____
995	995	995	995
996	996	996	996
_____	_____	_____	_____
96	96	96	96

- FOR NEXT VEHICLE ON RECORD, GO BACK TO Q. A3.
- IF NO OTHER VEHICLE ON RECORD, SKIP TO Q. C1.

Section B: Disposed Vehicle Stock Questions

IF "NO" FOR Q. A3, ASK:

B1. Was this vehicle sold, traded in, disposed of, or did the owner move away?

SOLD, TRADED, OR
DISPOSED OF
(GO TO Q. B2)

OWNER MOVED AWAY
(GO TO Q. B4)

DON'T KNOW
(GO TO Q. B2)

IF "SOLD/TRADED/DISPOSED OF" OR "DON'T KNOW" FOR Q. B1, ASK:

B2. In what month and year did you dispose of this vehicle?

MONTH

DON'T KNOW MONTH

YEAR

DON'T KNOW YEAR

B3. Approximately, what was the odometer reading (total mileage) on the vehicle at the time that you sold, traded, or disposed of it? (AFTER RESPONSE, GO TO INSTRUCTIONS AFTER Q. B4.)

MILES

DON'T
KNOW

IF "OWNER MOVED AWAY" FOR Q. B1, ASK:

B4. In what month and year did the owner move away with this vehicle?

MONTH

DON'T KNOW MONTH

YEAR

DON'T KNOW YEAR

Vehicle Number			
#1	#2	#3	#4
1	1	1	1
2	2	2	2
6	6	6	6
____	____	____	____
96	96	96	96
____	____	____	____
96	96	96	96
____	____	____	____
999996	999996	999996	999996
____	____	____	____
96	96	96	96
____	____	____	____
96	96	96	96

- FOR NEXT VEHICLE ON RECORD, GO BACK TO Q. A3.
- IF NO OTHER VEHICLE ON RECORD, SKIP TO Q. C1.

Section C: Acquired Vehicle Stock Questions

C1. Do you or other members of your household own or have for your personal use any cars, trucks vans, or similar vehicles, [CONTINUE IF HOUSEHOLD HAD A VEHICLE TO START] in addition to those we've already discussed? (IF RESPONDENT IS NOT SURE, DESCRIBE EACH VEHICLE CURRENTLY OWNED BY THE HOUSEHOLD.)

1 YES -- ASK Q. C2

2 NO

6 DON'T KNOW -- SKIP TO Q. D1

IF "YES," TO Q. C1 ASK:

C2. How many additional vehicles do you have?

1 ONE

2 TWO

3 THREE

4 FOUR OR MORE

6 DON'T KNOW -- SKIP TO Q. D1

ASK QS. C3 AND C4, FOR THE FIRST ADDITIONAL VEHICLE, THEN REPEAT THE TWO QUESTIONS FOR THE NEXT ADDITIONAL VEHICLE, AND SO ON.

C3. Please tell me the make, model name, and year of (this/the first, second, third, etc.) vehicle.

MAKE

DON'T KNOW

MAKE

MODEL NAME

DON'T KNOW MODEL

MODEL YEAR

DON'T KNOW YEAR

C4. Is this vehicle a ...? (READ CATEGORIES.)

Passenger car

Station wagon

Large van

Minivan

Pickup truck

Sport-utility

Other (SPECIFY)

DON'T KNOW

Vehicle			
A	B	C	D
MAKE	MAKE	MAKE	MAKE
6	6	6	6
MODEL NAME	MODEL NAME	MODEL NAME	MODEL NAME
6	6	6	6
MODEL YEAR	MODEL YEAR	MODEL YEAR	MODEL YEAR
19__	19__	19__	19__
96	96	96	96
C4	C4	C4	C4
01	01	01	01
02	02	02	02
03	03	03	03
04	04	04	04
05	05	05	05
06	06	06	06
21	21	21	21
96	96	96	96

■ IF ANOTHER ADDITIONAL VEHICLE, ASK QS. C3 AND C4.

■ IF NO OTHER ADDITIONAL VEHICLE, ASK Q. C5 FOR THE FIRST VEHICLE.

INTERVIEWER INSTRUCTIONS:

Q. C3 — A MODEL NAME MAY CONSIST OF SEVERAL PARTS — BE SURE TO GET THE COMPLETE NAME. HERE ARE SOME EXAMPLES, WHERE THE COMPLETE MODEL NAME IS IN PARENTHESES: FORD (GALAXIE), CHEVROLET (V-10 SUBURBAN), GMC (V-15 JIMMY), TOYOTA (2WD CARGO VAN). IF RESPONDENT DOES NOT KNOW THE NAME OF A TRUCK, PROBE FOR SIZE (1/2 TON, 3/4 TON, ETC.)

ASK Qs. C5 - C30 FOR THE FIRST
ADDITIONAL VEHICLE, THEN GO TO
THE SECOND ADDITIONAL VEHICLE,
AND SO ON.

C5. In what month and year did you get
the (READ YEAR, MAKE AND
MODEL FROM Q. C3)? MONTH

DON'T KNOW MONTH

YEAR

DON'T KNOW YEAR

C6. Was the vehicle new when you got it? YES

NO

DON'T KNOW

C7. Do you know the mileage at the time
you obtained the vehicle? YES
(IF "NO/NOT SURE," GO TO Q. C10.) NO/NOT
SURE

IF "YES" TO Q. C7, ASK:

C8. What was the mileage? MILEAGE

(IF "DON'T KNOW," SKIP TO
Q. C10.) DON'T
KNOW

C9. Is that the actual mileage or an
estimate? ACTUAL
ESTIMATE

DON'T KNOW

C10. How many miles do you estimate the
vehicle has been driven since you
obtained it? MILES
DON'T
KNOW

C11. Do you know the actual current
odometer reading for this vehicle? YES

(IF "NO," RECORD "NO" ON
ODOMETER/VIN SUMMARY AND
SKIP TO Q. C14.) NO

DON'T KNOW

IF "YES" TO Q. C11, ASK:

C12. What is the odometer reading? MILEAGE

C13. On what date was that mileage noted? MONTH

DON'T KNOW MONTH

DAY

DON'T KNOW DAY

C14. Do you know the Vehicle Identification
Number for this vehicle? YES

(IF "NO," RECORD ON ODOMETER/
VIN SUMMARY AND SKIP TO
Q. C16.) NO

Vehicle			
A	B	C	D
96	96	96	96
19__	19__	19__	19__
96	96	96	96
1	1	1	1
2	2	2	2
6	6	6	6
1	1	1	1
2	2	2	2
999996	999996	999996	999996
1	1	1	1
2	2	2	2
6	6	6	6
999996	999996	999996	999996
1	1	1	1
2	2	2	2
6	6	6	6
96	96	96	96
96	96	96	96
1	1	1	1
2	2	2	2

IF "YES" TO Q. C14, ASK:

C15. What is the Vehicle Identification Number for this vehicle? (READ BACK TO VERIFY WITH RESPONDENT)

A	VIN: _____ VIN REFUSED []
B	VIN: _____ VIN REFUSED []
C	VIN: _____ VIN REFUSED []
D	VIN: _____ VIN REFUSED []

INTERVIEWER: DESCRIBE RESPONDENT'S REASON OR REACTION IF REFUSING VIN.

		Vehicle			
		A	B	C	D
C. 16 Does this vehicle have an automatic transmission or a manual shift?	AUTOMATIC	1	1	1	1
	MANUAL SHIFT	2	2	2	2
	DON'T KNOW	6	6	6	6
C17. Does it have front-wheel, rear-wheel, or 4-wheel drive? (IF RESPONDENT SAYS COMBINATION THAT INCLUDES 4-WHEEL DRIVE, MARK "4-WHEEL.")	FRONT-WHEEL	1	1	1	1
	REAR-WHEEL	2	2	2	2
	4-WHEEL	3	3	3	3
	OTHER (SPECIFY)	5	5	5	5
	DON'T KNOW	6	6	6	6
C18. Does it have air-conditioning? (MARK "YES" EVEN IF IT DOES NOT WORK OR IS NOT USED.)	YES	1	1	1	1
	NO	2	2	2	2
	DON'T KNOW	6	6	6	6
C19. How many cylinders does the engine have?	3-CYLINDER	03	03	03	04
	4-CYLINDER	04	04	04	04
	5-CYLINDER	05	05	05	05
	6-CYLINDER	06	06	06	06
	8-CYLINDER	08	08	08	08
	10-CYLINDER	10	10	10	10
	12-CYLINDER	12	12	12	12
	ROTARY	13	13	13	13
	OTHER (SPECIFY)	21	21	21	21

		Vehicle			
		A	B	C	D
C20. Does the fuel system use a carburetor, fuel injection, or is it a diesel or electric engine? (IF "DIESEL," SKIP TO Q. C22. IF "ELECTRIC," SKIP TO Q. C27.)	CARBURETOR	1	1	1	1
	FUEL INJECTION	2	2	2	2
	DIESEL	3	3	3	3
	ELECTRIC	4	4	4	4
	OTHER (SPECIFY)	5	5	5	5
	DON'T KNOW	6	6	6	6
C21. For this vehicle, do you most often purchase . . . ? (READ CATEGORIES.)	Unleaded regular	01	01	01	01
	Unleaded midgrade	02	02	02	02
	Unleaded premium	03	03	03	03
	Leaded gasoline	05	05	05	05
	Ethanol blend/gasahol	06	06	06	06
	Natural gas	07	07	07	07
	Propane	08	08	08	08
	Alcohol	09	09	09	09
	Other fuel (SPECIFY)	21	21	21	21
	DON'T KNOW	96	96	96	96
C22. When you buy fuel for this vehicle, do you more often use full-service pumps or self-service pumps?	FULL-SERVICE	1	1	1	1
	SELF-SERVICE/ MINISERVICE	2	2	2	2
	BOTH EQUALLY	3	3	3	3
	BULK SALES, HOME TANK/DELIVERY	4	4	4	4
	OTHER (SPECIFY)	5	5	5	5
	DON'T KNOW	6	6	6	6
C23. What price per gallon did you pay the last time you purchased fuel for this vehicle? (IGNORE TENTHS OF A CENT.)	PRICE	\$ _____	\$ _____	\$ _____	\$ _____
	DON'T KNOW	996	996	996	996

		Vehicle			
		A	B	C	D
C24. What kind of fuel was purchased at that time? Was it ...? (READ CATEGORIES.)	Unleaded regular	01	01	01	01
	Unleaded midgrade	02	02	02	02
	Unleaded premium	03	03	03	03
	Diesel	04	04	04	04
	Leaded gasoline	05	05	05	05
	Ethanol blend/Gasahol	06	06	06	06
	Natural gas	07	07	07	07
	Propane	08	08	08	08
	Alcohol	09	09	09	09
	Other fuel (SPECIFY)	21	21	21	21
	DON'T KNOW	96	96	96	96
C25. What is your best estimate of the average miles per gallon for this vehicle? (IF "DON'T KNOW," SKIP TO Q. C27.)	MPG	_____	_____	_____	_____
	DON'T KNOW	96	96	96	96
IF "MPG" ANSWER IS GIVEN FOR Q. 25, ASK:					
C26. Is your estimate for miles per gallon from a log that you keep for fuel purchases, from an on-board computer, the advertised mpg, or just a rough estimate?	LOG (RECORDS)	1	1	1	1
	ON-BOARD COMPUTER	2	2	2	2
	ADVERTISED MPG	3	3	3	3
	ROUGH ESTIMATE	4	4	4	4
	OTHER (SPECIFY)	5	5	5	5
	DON'T KNOW	6	6	6	6
C27. Which of the following best describes the type of driving conditions for this vehicle: mostly stop-and-go, mostly open-road driving, or some combination of these?	STOP-AND-GO	1	1	1	1
	OPEN-ROAD	2	2	2	2
	COMBINATION	3	3	3	3
	OTHER (SPECIFY)	4	4	4	4
	DON'T KNOW	6	6	6	6

		Vehicle			
		A	B	C	D
C28. What is the age and sex of the household member who usually drives this vehicle?	AGE				
	95 OR OLDER	95	95	95	95
	DON'T KNOW AGE	96	96	96	96
	MALE	1	1	1	1
	FEMALE	2	2	2	2
	DON'T KNOW SEX	6	6	6	6
C29. Is this vehicle ever used for even part of a commute to and from work? (IF "NO"/"DON'T KNOW," SEE INSTRUCTIONS AFTER Q. 32.)	YES	1	1	1	1
	NO	0	0	0	0
	DON'T KNOW	6	6	6	6
IF "YES" FOR Q. C29, ASK:					
C30. When the vehicle is used for that commute, how many miles is it driven one-way? (RECORD MILES FOR ONE-WAY, <u>NOT</u> ROUND TRIP.)	MILES				
	NO FIXED PLACE OF WORK	995	995	995	995
	DON'T KNOW	996	996	996	996
C31. How many minutes does that one-way trip usually take? (RECORD MINUTES FOR ONLY THAT PART OF THE TRIP SPENT IN THE VEHICLE.)	MINUTES				
	NO FIXED PLACE OF WORK	995	995	995	995
	DON'T KNOW	996	996	996	996
C32. How many days per week is the vehicle used for commuting?	DAYS				
	DON'T KNOW	96	96	96	96

- IF ANOTHER ADDITIONAL VEHICLE, GO BACK TO Q. C5.
- IF NO OTHER ADDITIONAL VEHICLE, CONTINUE WITH Q. D1.

Section D: Alternative Transportation

D1. Do you or any member of your household regularly use another type of transportation other than a personal vehicle at least once a week?

1 YES -- SKIP TO Q. D2

0 NO

6 DON'T KNOW

GO TO ODOMETER/VIN SUMMARY

IF "YES," ASK Q. D2 FOR EACH TYPE OF TRANSPORTATION:

D2. What types of transportation do you or any member of your household use? Do you use . . . ?
(READ CATEGORIES TO RESPONDENT. MORE THAN ONE TYPE CAN BE USED.)

	Q. D2 YES/NO	Q. D3 REASONS FOR USE
D2a. A bus such as Greyhound or Trailways?	1 YES 0 NO 6 DON'T KNOW	1 WORK 2 OTHER REASONS 3 BOTH 6 DON'T KNOW
D2b. A train, bus, or subway in a city or regional transit system?	1 YES 0 NO 6 DON'T KNOW	1 WORK 2 OTHER REASONS 3 BOTH 6 DON'T KNOW
D2c. A train such as Amtrak?	1 YES 0 NO 6 DON'T KNOW	1 WORK 2 OTHER REASONS 3 BOTH 6 DON'T KNOW
D2d. Ridesharing or carpooling?	1 YES 0 NO 6 DON'T KNOW	1 WORK 2 OTHER REASONS 3 BOTH 6 DON'T KNOW
D2e. Any other alternate form of transportation?	1 YES 0 NO 6 DON'T KNOW	1 WORK 2 OTHER REASONS 3 BOTH 6 DON'T KNOW

IF "YES" FOR ANY PART OF Q. D2, ASK Q. D3 FOR THAT FORM OF TRANSPORTATION:

D3. Do you use (MENTION FORM OF TRANSPORTATION) to commute to or from work, for other reasons, or both? (CIRCLE RESPONSE IN THE GRID ABOVE.)

ODOMETER/VIN SUMMARY PAGE

IS THE ODOMETER AND VIN RECORDED FOR EVERY VEHICLE? (IGNORE VEHICLES WITH BROKEN ODOMETER AND VEHICLES FOR WHICH RESPONDENT REFUSED NUMBERS.)

☐ YES

☐ NO

IF "YES," THANK AND TERMINATE.

IF "NO," CONTINUE:

Finally, to complete your interview, I need to obtain:

IDENTIFY WHICH VEHICLES NEED ODOMETER AND/OR VIN NUMBERS.

I would like to get this information right now, while I have you on the phone. I'd be happy to wait while you visit the vehicle(s) to get it.

IF RESPONDENT IS UNWILLING OR UNABLE TO GET THEM WHILE YOU WAIT:

Because this is very important information, I'd like to call you back later or tomorrow to get it.

SCHEDULE A CALLBACK.

- IF RESPONDENT ATTEMPTED TO GET NUMBERS BUT AT LEAST ONE IS STILL MISSING, TAKE ALL AVAILABLE INFORMATION AND SCHEDULE A CALLBACK.
- IF ALL ODOMETER AND VIN NUMBERS ARE COMPLETE, THANK AND TERMINATE.
[DISPLAY THE VEHICLE/FLAGS GRID]

1994 Residential Transportation Energy Consumption Survey (RTECS) *Interviewer Instructions for the End-of-Year Telephone Questionnaire*

GENERAL INFORMATION

The Residential Transportation Energy Consumption Survey (RTECS) is conducted every three years for the U. S. Department of Energy.

Three contacts are attempted with eligible households over the duration of the study. Those contacts are made at the beginning, the middle, and the end of the calendar year for which the RTECS is being conducted. This contact is the end-of-year data collection.

Approximately 7,100 households completed a survey of household energy use called RECS during Fall 1993 and Winter 1994. Households are randomly selected to participate in the RTECS from among this group.

There are 3,020 households in the RTECS sample. We will attempt to contact 2,470 households by telephone and 541 households by mail; 9 households will not be contacted.

Our current vehicle information was obtained from the RECS interview (which is the beginning-of-year contact for RTECS) and from the "mid-year" RTECS contact, conducted in August 1994.

This is the final contact that we will attempt to make with the households participating in the RTECS.

THE RTECS SAMPLE

The sample of 2,470 RTECS telephone households will be released in three waves: one of 786 households; one of 863 households; and the last, 821 households. Sample waves will be released roughly ten days apart; scheduled sample release dates are: January 19, January 27, and February 7.

DATA COLLECTION MATERIALS

Data collection materials are mailed to each household approximately one week prior to the household's scheduled sample release date. These materials include:

- A letter from Response Analysis explaining the survey.
- A letter from the Department of Energy asking for cooperation; this letter includes a privacy statement.
- Odometer Cards – one card for each vehicle that we believe the household currently has and one blank card for an extra vehicle that the household may have that we don't know about.
- VIN Cards – one card for each household vehicle for which we do not have a valid Vehicle Identification Number (VIN). Also, each household received one blank card for an extra vehicle that the household may have that we don't know about. This card includes an illustration of where the VIN may be found on a vehicle. A sample VIN and a breakdown of its elements is provided in the appendix.
- An instruction page for filling out the cards. Generally describes the cards and their purpose. Detailed instructions on how to fill them out are furnished on the cards themselves.

An example of each of these materials is provided in the Appendix.

SAMPLE MANAGEMENT

Sample will be managed ON CATI and not on paper!

RTECS sample will be released according to a calling-window scheme that ensures that contact attempts are distributed appropriately over weekdays vs. weekends and evenings vs. days, once per day (unless specifically requested otherwise by the respondent). Sample will also be released per scheduled callbacks established during an earlier contact.

Households who refused to participate in the mid-year contact will be included in the general sample release. Refusals that result during end-of-year contact will be held aside for a special series of contacts toward the end of the field period.

Standard CATI disposition codes will be used for this study. It is important that you observe the special rules for refusals and language barriers noted below.

Refusals.

Make your best effort to persuade the respondent to grant you an interview. If he or she ultimately refuses, be sure to note the reason and any direct quote that would help to illustrate the tone of the refusal. Note "hard" or "soft" refusal.

Language Barriers.

When dispositioning these contacts, be careful to correctly differentiate between foreign-language respondents and those people who are hard-of-hearing.

Answering Machines: Do not leave a message unless instructed otherwise by your supervisor. We may decide to leave 800# messages toward the end of the field period.

Disconnects/Wrong #s: DO LOOKUPS right away. If you get a new number from directory assistance, redial and attempt an interview.

Be sure to schedule a callback, general or specific, if you are asked during the interview to complete it some other time. Scheduling a callback ensures that we retain all of the information collected to that point. **Schedule all callbacks by last name – not by the household identification number.**

OVERVIEW OF THE RTECS INTERVIEW

Average interview length is estimated to be 11-12 minutes, based on this questionnaire's similarity to that used for the 1991 RTECS end-of-year contact. Length of interview is mostly dependent upon the number of vehicles currently owned and/or acquired by the household; the fewer vehicles, the shorter the interview. (NOTE: "owned," as used in these instructions, means a vehicle is owned by the household or is available for the household's regular use).

Households will have, on average, two vehicles; 90% of households have three vehicles or fewer. Approximately ten percent of households have no vehicles; the highest number of vehicles owned by a household following the mid-year contact is seven.

The interview comprises six "modules" covering the following topics:

- Mailing address verification and preparing for the interview
- Vehicles still owned by the household (including collecting the odometer readings and, where needed, VINs)
- Vehicles no longer owned by the household
- Vehicles newly acquired by the household ("new" vehicles)
- Alternative transportation
- Odometer/VIN summary screen, where you conclude the interview or ask respondents to retrieve "missing" odometer readings and/or VINs.

Collecting odometer readings and VINs is the most important aspect of this interview. When one of these items is needed but not obtained, CATI flags that item for that vehicle. At the end of the interview, CATI displays the missing items by vehicle; you will try to persuade the respondent to get the missing odometer readings and/or VINs for you RIGHT THEN WHILE YOU WAIT.

At the start of the interview, you will ask the respondent whether or not he or she has received the cards, filled them out, and can bring them to the phone. These questions give you a picture of the respondent's preparedness (regarding the odometer and VIN cards) and set odometer and VIN flags on the summary screen if the cards (i.e., information) aren't ready.

We want to collect as much information as possible from respondents during the initial call. If you are prompted to ask a respondent to obtain odometer or VIN information at the summary screen, it's OK to wait as long as is needed to get the maximum amount of information on the first contact!

GENERAL RTECS CATI INTERVIEWING PROCEDURES

We have provided "OTHER" as a response category for selected, but not all, questions. If an "OTHER" response is given but is not offered as an answer category, please use the <ESC> key and make a note. Notes are particularly important to RTECS and we encourage you to make them – WE DO READ ALL OF THE NOTES!

For RTECS, it is fine to accept a "DON'T KNOW." You may probe when you feel it is appropriate but do not force a response or ask for a guess (EXCEPTION: when asking about miles-per-gallon – MPG).

Some answers, such as price-per-gallon and dates, require that entries be made in separate fields. For example, for price-per-gallon, you enter dollars, then cents, neither with a decimal point. Dates are entered month, then day, or, month, then year. Be careful entering these responses.

The answers to some questions, such as odometer readings and VINs, are entered by keying a code for "[ANSWER] GIVEN," then entering the actual odometer reading or VIN on a separate screen.

QUESTION-BY-QUESTION

MODULE: ADDRESS VERIFICATION, INTERVIEW PREPARATION

We are interested in mailing address, not street address.

As described in "OVERVIEW OF THE RTECS INTERVIEW," odometer and/or VIN flags are set if the respondent hasn't received or filled out the cards. Respondents will be asked to get this information at the end of the interview.

Respondents who haven't received the mailing are read an introductory script which states, in part, that the interview can be conducted without the household having received the cards.

MODULE: VEHICLES STILL OWNED BY HOUSEHOLD

Q A4: HAVE I DESCRIBED IT CORRECTLY?

Look for incomplete vehicle descriptions and prompt the respondent for the information. Model name is usually the missing item.

If all vehicle information as presented is correct but you are adding to that information, this question should be answered "NO."

If you answer "NO," CATI presents a separate screen for each vehicle description item: make name, model name, model year, vehicle type. Enter an "X" if there is no change to a particular vehicle description item.

Q A5: ODOMETER READING (PRONOUNCED: OH-DOM-A-TER)

Do NOT record tenths of miles. Ignore tenths of a mile, if given by the respondent.

Read the odometer reading back to the respondent for verification.

We want respondents to get the actual odometer readings from the vehicles.

Q A7: VEHICLE IDENTIFICATION NUMBER (VIN)

Some respondents may feel that a Vehicle Identification Number is sensitive information. If the respondent questions the function of the VIN or why we want it, refer to the "VIN Explanation Card" in the appendix.

The VIN is also called the "ID #", "Serial #", "Factory #", or "Motor ID #."

The VIN usually consists of 17 letters and numbers (e.g., AG12345KLMN123456), but may be shorter than 17 characters. Do NOT question the respondent if he or she gives you a VIN that is not the "right length" – accept what he or she gives you. If the VIN is longer than 17 characters, accept the first 17.

The VIN is most easily found by standing outside of the vehicle where the hood meets the windshield, facing the rear. The VIN is on a plate that can be seen on the dashboard right at the base of the windshield, directly in front of the steering wheel.

Always verify the VIN by reading it back to the respondent.

Qs A8 - A13: VEHICLE CHARACTERISTICS

These questions, individually or as a group, are not asked for every vehicle. Don't be concerned if they appear to be "missing."

Q A8: TYPE OF TRANSMISSION

Manual shift is also called "standard shift" or "stick shift."

Vehicles equipped with manual shift have a clutch pedal; vehicles equipped with an automatic transmission do not have this pedal.

Qs A13 - A14: FUEL PURCHASES IN THE PAST YEAR

These questions refer to their fuel purchases over the PAST YEAR, and to the type of fuel they USUALLY buy and the kind of service they USUALLY receive.

Q A13: TYPE OF FUEL

MIDGRADE means "higher quality (higher octane) than regular, but not as high (quality or octane) as premium."

If the respondent mentions the octane rating of the fuel, refer to the "Octane Rating to Fuel Grade Conversion Chart" in the appendix.

Qs A15 - A16: MOST RECENT FUEL PURCHASE

These questions refer to the LAST TIME FUEL WAS PURCHASED.

Q A17: MILES PER GALLON (MPG)

This is the one question where you should encourage the respondent to guess. We accept estimated MPGs here.

Q A21: USING THE VEHICLE FOR COMMUTING

Record "YES" even if the vehicle is used for only part of the commute (for example, to drive from home to a train station or bus stop).

Qs A22 - A23: COMMUTING HABITS

Record miles and minutes for commuting one-way, **not for the entire round trip**. If the vehicle is used to commute only part of the distance to work, only account for that part of the commute.

MODULE: VEHICLES NO LONGER OWNED BY THE HOUSEHOLD

Q B3: ODOMETER READING

This is one of two places where an estimated odometer reading is always acceptable (in all but a few cases, an estimated odometer reading will be the only type of odometer reading you can get).

MODULE: NEWLY ACQUIRED VEHICLES

In all but a few unusual circumstances, newly acquired vehicles were acquired by households since our last contact with them. That contact could have been anytime between Fall 1993 and Summer 1994. We spoke with approximately 80% of these households in August 1994.

Q C1: HAVE ADDITIONAL VEHICLES?

DO NOT count motorcycles, mopeds, very heavy trucks, or vehicles used strictly for business purposes.

DO count company-owned vehicles if they are also used for personal reasons. Also count vehicles if they belong to lodgers, students, and relatives who live in the household.

Q C3: MAKE NAME, MODEL NAME, AND MODEL YEAR OF THE VEHICLE

Get as much make and model information as you can. Use your common knowledge of vehicles. Probe what you believe to be incorrect make/model configurations (such as a Chevrolet Taurus, Dodge Grand Am, etc.).

If a range is given for model year, take the midpoint. For example, if the respondent says, "It's an '86 or an '88, I don't know," use 1987 as the model year.

Don't be too concerned about the spelling of make and model names. They are checked for consistency of spelling later on.

Q C4: VEHICLE TYPE

If the respondent says that the vehicle type is a "VAN", probe for whether he or she considers it to be a **LARGE** VAN or a **MINIVAN**.

Vehicle type for mobile homes is "OTHER."

Q C8: VEHICLE ODOMETER READING AT TIME OF ACQUISITION

See the rules in section "MODULE: VEHICLES NO LONGER OWNED BY THE HOUSEHOLD." item "Q B3: ODOMETER READING."

Q C12: ODOMETER READING

See the rules under section "MODULE: VEHICLES STILL OWNED BY HOUSEHOLD." item "Q A5: ODOMETER READING."

Qs C14 - C15: VEHICLE IDENTIFICATION NUMBER (VIN)

See the rules under section "MODULE: VEHICLES STILL OWNED BY HOUSEHOLD." item "Q A7: VEHICLE IDENTIFICATION NUMBER (VIN)."

Qs C16 - C32

Except for Qs C21 - C22, these questions are exactly the same as Qs A8 - A24.

Qs C21 - C22: USUAL FUEL PURCHASE HABITS

Whereas companion Qs A13 and A14 ask about the type of fuel purchased and kind of service received *during the past year*, Qs C21 and C22 ask about the type of fuel purchased and kind of service received "most often."

MODULE: ALTERNATIVE TRANSPORTATION

These questions, asked of all households, pertain to alternative forms of transportation that they regularly use at least once per week.

If you are asked, stress to the respondent that his or her usage of the alternative transportation must be regular and weekly. Exceptions to these conditions are allowed for unusual circumstances such as illness or vacation.

MODULE: ODOMETER/VIN SUMMARY SCREEN

When you finish the "Alternative Transportation" module, a summary screen will appear instructing you about how to proceed.

You will have obtained all of the required information during the first contact for the majority of interviews that you will conduct. In this case, CATI will instruct you to THANK AND TERMINATE.

If one or more odometer readings and/or VINs are missing, read the script which introduces what items are needed. HIT ENTER TWICE.

The summary screen shows up to three vehicles at the top (whether or not those vehicles are missing information) and what items are needed are shown at the bottom. There may be multiple screens of vehicles. FOCUS ON THE BOTTOM OF THE SCREEN FIRST TO SEE WHAT ITEMS ARE NEEDED and then relate those items to the descriptions of those vehicles at the top. Enter "30" to continue.

Read the text asking the respondent to get this information for you. If the respondent won't get the information, HALT the interview and schedule a callback. Otherwise, HIT ENTER TWICE TO CONTINUE. Wait for the respondent to get the information.

CATI then asks whether or not the respondent has each missing piece of information using a separate screen for each item. Answer "YES" or "NO" for each. If a respondent asks that the interview be stopped immediately during this series of questions, answer "NO" to each missing item to continue and schedule a callback when instructed.

If all information is then obtained, CATI will instruct you to THANK AND TERMINATE.

If a callback is needed, schedule the callback by respondent name; BE SURE TO GET THE NAME OF THE PERSON THAT YOU ARE SPEAKING WITH.

CALLING BACK FOR MISSING INFORMATION

The CATI questionnaire can accommodate up to two additional contacts. You should continue to make callbacks as necessary until you have collected all of the needed information or until CATI closes the case.

When making the callback, be sure to ask for the designated person. If that person is unavailable, you may speak with another person who can give you the needed information. You may have to remind the respondent of our previous call. To begin collecting information during the callback, hit ENTER twice to reach the first question.

APPENDICES

DATA COLLECTION MATERIALS MAILED TO RESPONDENTS

- ✓ Letter from the Department of Energy
- ✓ Letter from Response Analysis
- ✓ Odometer Card
- ✓ VIN Card
- ✓ Instruction Page

REFERENCES

- ✓ Octane Rating to Fuel Grade Conversion Chart
- ✓ VIN Explanation Card
- ✓ Answers to Common Questions from Respondents

Letter from the Department of Energy (Front)



Department of Energy
Washington, DC 20585

January 1995

Thank You!

During the last year you have participated in the U.S. Department of Energy's (DOE) Residential Transportation Energy Consumption Survey (RTECS). This RTECS information, when linked with the energy consumption used in the home from the Residential Energy Consumption Survey, provides information on all energy used in the residential sector. Response Analysis Corporation is the data collection contractor for DOE for both surveys.

As part of the RTECS, we now need to update information and ask a few additional questions concerning your vehicles and their use. Information obtained from you will represent thousands of other households that have similar vehicles.

We hope that you will assist us by completing the enclosed cards. It will only take a few minutes. After filling out the cards, please keep them near your telephone. You will receive a call in the next few weeks to get the information.

The information you provide and your identity will be held strictly confidential in accordance with the provisions of the Privacy Act of 1974. (See the statement on the other side of this letter for further details on the Privacy Act and public reporting burden.) No information linking your name and address with the data you provide will ever be given to the Department of Energy or to any other government agency.

Your participation is very important to the success of this research and is totally voluntary. Please call Jim Devlin of Response Analysis Corporation toll-free at 1-800-888-9213 if you have any questions about this survey. Thank you again for your cooperation.

Sincerely,

A handwritten signature in cursive script that reads "Lynda T. Carlson".

Lynda T. Carlson
Director, Energy End Use and
Integrated Statistics Division
Energy Information Administration

Enclosure(s)



Printed with soy ink on recycled paper

Letter from the Department of Energy (Back)

PRIVACY ACT NOTICE

This Residential Transportation Energy Consumption Survey (RTECS) is being conducted by the Response Analysis Corporation for the U.S. Department of Energy. It is authorized under Section 52 of the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended.

The purpose of this survey is to collect information on vehicles used by households for personal use to help the Department of Energy and other Federal agencies to administer programs, assess energy usage, and plan for our energy future.

Once the data about vehicle consumption and expenditures have been linked with the information describing your household and we have concluded our planned contacts with your household, all information linking the data with your name and address will be destroyed.

The Department of Energy will receive only your answers, not your name or address. Your answers will be screened to protect your identity; neither the Department of Energy, nor any other Government agency, will be able to locate your household.

Your participation in this survey is voluntary.

PUBLIC REPORTING BURDEN

Public reporting burden is estimated to average 15 minutes for the telephone interview and completion of the enclosed cards.

Send comments regarding public reporting burden or any other aspects of this collection of information, including suggestions for reducing this burden to:

Energy Information Administration
Office of Statistical Standards
EI-73, Room 205
1707 H Street, Northwest
Washington, D.C. 20585

and

Office of Information and Regulatory Affairs
Office of Management and Budget
Washington, D.C. 20503

Letter from Response Analysis



377 Wall Street • P.O. Box 158 • Princeton, NJ • 08542-0158 • 609 921 5555 • Fax 609 921 2611

January 1995

Thank You!

Over the past year your household has been helpful in providing Response Analysis Corporation with vital information about your household vehicles. The 1994 Residential Transportation Energy Consumption Survey (RTECS) furnishes the Department of Energy information about the use and fuel consumption of vehicles used for personal transportation on the road today.

I now need your assistance with the closing phase of the survey. During this contact, we will update our records of your household's vehicles and collect information regarding their use during the past year. Your cooperation is especially important because your household, which cannot be replaced in the survey, represents thousands of other households that have similar vehicles, or no vehicles at all.

I hope that you will assist us in this final phase by completing the enclosed cards. This will only take a few minutes. I have enclosed an instruction page that explains how to use the cards.

After you fill these out, please keep them near your telephone. A representative of Response Analysis will be calling you shortly to collect the information you have recorded on the cards.

I am also enclosing a letter about this survey from Dr. Lynda T. Carlson of the Energy Information Administration. Please note that all information you provide will be kept strictly confidential. No information that can be linked to your name or address will ever be furnished to the Department of Energy or to any other government agency.

Your voluntary participation in the concluding phase of the 1994 Residential Transportation Energy Consumption Survey is very important to the success of the research. Please call me, toll-free, at 1 (800) 888-9213 if you have any questions regarding the study.

Thank you again for your continued cooperation.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jim Devlin".

Jim Devlin
Survey Manager

Odometer Card (Front and Back)

ODOMETER READING CARD 1994 Residential Transportation Energy Consumption Survey

Form Approval:
OMB No. 1905-0068
Expires 01/31/97



THIS CARD IS FOR YOUR:

U.S. DEPARTMENT OF ENERGY ENERGY INFORMATION ADMINISTRATION

Please see the instructions on the other side of this card before you begin.

Please write down the total mileage
(odometer reading) for this vehicle

Whole Miles Only

and the date on which it was recorded

Date Recorded

Check here if household no longer has vehicle

☐

or odometer is not working

☐

After you have filled in the information requested, please keep this card near your telephone. A representative of Response Analysis will be calling you to record the information. Or, if you will be difficult to reach by phone, please call Mr. Jim Devlin, toll-free, at 1 (800) 888-9213.

THANKS FOR YOUR HELP.

EIA-879C1

Instructions for Completing Odometer Reading Card

If your odometer (mileage meter) registers tenths of miles, please ignore tenths and record only whole number of miles.

If your household no longer has this vehicle or if the odometer does not work, please mark the appropriate box on the other side of this card.

If this card has a blank label and your household now owns or regularly uses another vehicle for which we did not send an Odometer Reading Card, please record the model year, make name (manufacturer), model name, and vehicle type on the card label.

VIN Card (Front and Back)

1994 Residential Transportation Energy Consumption Survey VEHICLE IDENTIFICATION NUMBER CARD

Form Approval:
OMB No. 1905-0068
Expires 01/31/97



U.S. DEPARTMENT OF ENERGY
ENERGY INFORMATION ADMINISTRATION

THIS CARD IS FOR YOUR:

In order for us to estimate the fuel efficiency of this vehicle, it would be helpful to know the Vehicle Identification Number (VIN). The VIN provides information that enables researchers to estimate fuel economy for all types of cars, trucks, and other vehicles. In this survey, your vehicles will represent those from thousands of other households that have a similar vehicle. The VIN is a set of codes assigned to a vehicle at the factory that, when decoded, describes several of the vehicle's characteristics. These characteristics may then be used to calculate an estimated miles per gallon for that specific type of vehicle.

PLEASE SEE THE OTHER SIDE OF THIS CARD FOR INSTRUCTIONS ON WHERE TO FIND THE VEHICLE IDENTIFICATION NUMBER.

For the vehicle described at the top of the card, please carefully record its Vehicle Identification Number below.

VIN: _____

Check here if you cannot find the Vehicle Identification Number ☐

After you have filled in the information requested, please return this card near your telephone. A representative of Response Analysis will be calling you to get the information. If you will be difficult to reach by phone, or if you have any questions about this survey, call Mr. Jim Devlin, toll-free at, 1 (800) 888-9213.

EIA-879D1

THANKS FOR YOUR HELP.

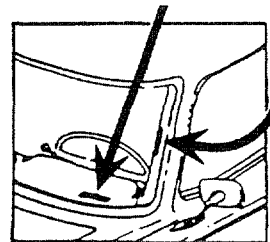
PLEASE READ THE OTHER SIDE OF THIS CARD FIRST INSTRUCTIONS ON WHERE TO FIND THE VEHICLE IDENTIFICATION NUMBER

The Vehicle Identification Number (VIN) is a combination of digits and letters. It is usually 17 letters and digits long. Here is an example of what the VIN may look like:

1FABP28A6FF143890

The Vehicle Identification Number may be found in a number of places:

- On the vehicle.
Look for a small metal label that can be read while standing outside the vehicle.
Look for the label on the driver's side of the dashboard or on the window post.
Sometimes it is on the driver's door.
- On the motor vehicle registration certificate.
- On an insurance card or insurance policy for the vehicle.
- On the vehicle title.
- On a State safety or emissions inspection certificate.
- On the bill of sale for the vehicle.



Caution . . . The Vehicle Identification Number is usually **not** found on your driver's license or on the vehicle license plates.

Once you have located the Vehicle Identification Number, copy it down on the other side of this card exactly as it appears on the vehicle, or on the document you are using.

For the sample VIN given above, we would write:

VIN: 1 F A B P 2 8 A 6 F F 1 4 3 8 9 0

Instruction Page

EIA-876A

Form Approval
OMB NO:1905-0068
Expires 01/31/97

1994 RESIDENTIAL TRANSPORTATION ENERGY CONSUMPTION SURVEY

HOW TO USE THE ENCLOSED CARDS

Please read this first -- before filling out any cards

1. There are two types of cards in the package.

- ODOMETER CARDS

- VEHICLE IDENTIFICATION NUMBER (VIN) CARDS

2. The label in the upper right corner of each card identifies which vehicle the card is for. The information was collected during earlier contacts we have had with your household. For each vehicle, we have filled in the label with the year, make, model, and type of vehicle. An additional set of odometer and VIN cards has also been prepared with blank labels.

3. Cards with complete labels

An odometer card has been prepared for each vehicle recorded for your household. Please follow the instructions on the card when recording the requested information. If your household no longer owns or has the use of the vehicle, please indicate that fact on the card. If the odometer no longer works, indicate that on the card also.

A VIN card has been prepared only for vehicles for which no VIN number was reported during earlier contacts, or for which the VIN number was incorrectly recorded. If all VIN numbers were reported and recorded correctly, you will receive no VIN cards with complete labels among your cards. If you do receive a VIN card that identifies a specific vehicle, please follow the instructions on the card.

4. Cards with blank labels

The odometer and VIN cards with blank labels have been provided in the event that your household currently owns or uses a vehicle for which we have no record. If your household now owns or regularly uses such a vehicle, please complete the identifying information requested on the label in addition to recording the odometer and VIN information on the respective cards. The identifying information requested is model year, make name (manufacturer), model, name and vehicle type. Vehicle types are car, station wagon, large van, minivan, pickup truck, sports-utility vehicle, and other (such as motor home). If more than one vehicle has been obtained, please call Mr. Jim Devlin, toll-free, at 1(800)888-9213.

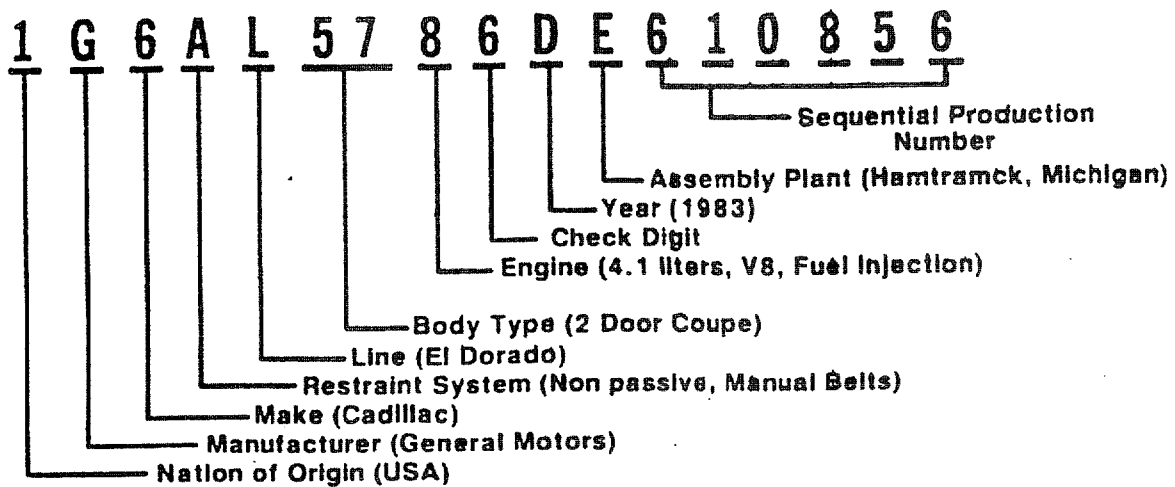
THANK YOU VERY MUCH.

Octane Rating to Fuel Grade Conversion Chart

OCTANE RATING	FUEL GRADE
85 to 87	REGULAR
88 to 90	MIDGRADE
91 or Higher	PREMIUM

VIN Explanation Card

VEHICLE **I**DENTIFICATION **N**UMBER (**VIN**)



Answers to Common Questions from Respondents

Q. "I am not average."

A. We are interested in your household, regardless of how you use your vehicle(s). This would not be a representative survey if we only interviewed households with "average" vehicles and "average" driving habits.

Q. "I did this vehicle survey before. I don't want to do it again."

A. We appreciate your helping us with the previous parts of the survey. This is the last phase of the study. We really need your cooperation at this time so that we have a complete set of information for your household.

Q. "Ask somebody else."

A. We still need your participation. We have followed scientific procedures and cannot substitute another household for yours, even at this time. It will mean a great deal to us and to the United States Department of Energy if you can take the time to help with our survey.

Q. "I do not want the government to have records on me."

A. The names and addresses of the participants are known only to the research staff at Response Analysis Corporation. All of the survey information is kept strictly confidential.

Q. "Can I verify your legitimacy?"

A. You can call Mr. Ron Lambrecht at the U.S. Department of Energy (1-202-586-4962) or Mr. Jim Devlin, toll-free, at Response Analysis Corporation (1-800-888-9213). If you call Mr. Lambrecht, he will take your number and call you right back. This saves taxpayer dollars.

Q. "I am not using my car at this time."

A. It is important that we collect information on all vehicles, including those that are driven hundreds of miles each week and those that are hardly driven at all.

Q. "I don't have any vehicles."

A. We are interested in your household even if you don't have any vehicles at this time. This would not be a representative survey if we interviewed only households with vehicles.

Q. "What will be done with this information?"

A. This information from this survey will be used to guide government policy makers. The survey will provide a comprehensive look at gasoline and diesel fuel consumption nationwide.

1994 Residential Transportation Energy Consumption Survey End-of-Year Coding Instructions

The 1994 RTECS end-of-year coding tasks involves up to three sets of edits:

- A member of the RTECS staff examines interviewer notes generated during the CATI interviews
- The Coding Department reviews all of the "Other, Specify" responses
- A member of the RTECS reviews of all the "Other, Specify" responses not resolved by the coders.

The first of these steps was an ongoing process during the field period. Necessary edits were made by the RTECS CATI programmer.

At the close of data collection, the CATI programmer ran a set of marginals. The marginal counts were used to determine which of the 92 questions that included a response category of "Other, Specify" actually had at least one "Other" response that needs to be examined by the coders. "Other" responses for 33 CATI questions will need to be coded. Nineteen of the 33 CATI questions to code have only three or fewer responses to examine.

When you are finished the task, print a listing of all remaining "Other" responses; give these to an RTECS staffer. He will look them over, indicate further edits to make (if any), and return them so you can make the edits to the data.

With the following exceptions, code all "Other" responses to a category already provided as a precode. The questions you will code are indicated on the attached copies of the questionnaire. The precoded response categories are listed there. The only additional editing instructions are:

- Qs. A13/C21: REGULAR AND PREMIUM EQUALLY = 10
NOT DRIVEN = 17
- Qs. A14/C22: NOT DRIVEN = 7
- Qs. A16/C24: Edit "Not Driven" to "Don't Know" (26)
- Q. C4: "Motor Home" remains as "Other" (21).

Please bring any recurring "Other" responses not provided as a precode or mentioned above to the attention of a member of the RTECS team for consideration as a separate code.

" → " CODE

"(CATI Q #5)"

5

IF VEHICLE WAS ACQUIRED AT MID-YEAR CONTACT, ASK Qs. A8-A12. IF VEHICLE WAS REPORTED AT BEGINNING-OF-YEAR CONTACT, ASK ONLY THOSE QUESTIONS THAT WERE NOT ANSWERED THEN.

			Vehicle Number			
			#1	#2	#3	#4
A8.	Does this vehicle have an automatic transmission or manual shift?	AUTOMATIC	1	1	1	1
		MANUAL SHIFT	2	2	2	2
		DON'T KNOW	6	6	6	6
→ A9. E C17. (138, 624)	Does it have front-wheel, rear-wheel, or 4-wheel drive? (IF RESPONDENT SAYS COMBINATION THAT INCLUDES 4-WHEEL DRIVE, MARK "4-WHEEL.")	FRONT-WHEEL	1	1	1	1
		REAR-WHEEL	2	2	2	2
		4-WHEEL	3	3	3	3
		OTHER (SPECIFY)	5	5	5	5
		DON'T KNOW	6	6	6	6
A10.	Does it have air-conditioning? (MARK "YES" EVEN IF IT DOES NOT WORK OR IS NOT USED.)	YES	1	1	1	1
		NO	0	0	0	0
		DON'T KNOW	6	6	6	6
→ A11. E C19. (13, 570)	How many cylinders does the engine have?	3-CYLINDER	03	03	03	03
		4-CYLINDER	04	04	04	04
		5-CYLINDER	05	05	05	05
		6-CYLINDER	06	06	06	06
		8-CYLINDER	08	08	08	08
		10-CYLINDER	10	10	10	10
		12-CYLINDER	12	12	12	12
		ROTARY	13	13	13	13
		OTHER (SPECIFY)	21	21	21	21
→ A12. E C20. (2, 631)	Does the fuel system use a carburetor, fuel injection, or is it a diesel or electric engine? (IF "DIESEL," SKIP TO Q. A14. IF "ELECTRIC," SKIP TO Q. A19.)	DON'T KNOW	96	96	96	96
		CARBURETOR	1	1	1	1
		FUEL INJECTION	2	2	2	2
		DIESEL	3	3	3	3
		ELECTRIC	4	4	4	4
		OTHER (SPECIFY)	5	5	5	5
		DON'T KNOW	6	6	6	6

		Vehicle Number				
		#1	#2	#3	#4	
→ A13. E C21. (84, 148, 212, 576)	During the past year, what kind of fuel did you purchase most often for this vehicle? Was it . . . ? (READ CATEGORIES.)	Unleaded regular	01	01	01	01
		Unleaded midgrade	02	02	02	02
		Unleaded premium	03	03	03	03
		Diesel	04	04	04	04
		Leaded gasoline	05	05	05	05
		Ethanol blend/Gasahol	06	06	06	06
		Natural gas	07	07	07	07
		Propane	08	08	08	08
		Alcohol	09	09	09	09
		Other fuel (SPECIFY)	21	21	21	21
		DON'T KNOW	96	96	96	96
REGULAR + PREMIUM EQUALLY = 10						
NOT DRIVEN = 17						
→ A14. E C22. (86, 150, 214, 278, 578)	When you bought fuel for this vehicle during the past year, which did you use more often, full-service pumps or self-service pumps?	FULL-SERVICE	1	1	1	1
		SELF-SERVICE/ MINISERVICE	2	2	2	2
		BOTH EQUALLY	3	3	3	3
		BULK SALES, HOME TANK/DELIVERY	4	4	4	4
		OTHER (SPECIFY)	5	5	5	5
		DON'T KNOW	6	6	6	6
NOT DRIVEN = 7						
A15.	What price per gallon did you pay the last time you purchased fuel for this vehicle? (IGNORE TENTHS OF A CENT.)	PRICE	\$	\$	\$	\$
		DON'T KNOW	996	996	996	996
→ A16. E C24. (90, 154, 218, 282, 582)	What kind of fuel was purchased at that time? Was it . . . ? (READ CATEGORIES.)	Unleaded regular	01	01	01	01
		Unleaded midgrade	02	02	02	02
		Unleaded premium	03	03	03	03
		Diesel	04	04	04	04
		Leaded gasoline	05	05	05	05
		Ethanol blend/Gasahol	06	06	06	06
		Natural gas	07	07	07	07
		Propane	08	08	08	08
		Alcohol	09	09	09	09
		Other fuel (SPECIFY)	21	21	21	21
		DON'T KNOW	96 26	96 26	96 26	96 26
NOT DRIVEN = DON'T KNOW (26)						

			Vehicle Number			
			#1	#2	#3	#4
A17.	What is your best estimate of the average miles per gallon for this vehicle? (IF "DON'T KNOW," SKIP TO Q. A19.)	MPG DON'T KNOW	96	96	96	96
→ A18.	Is your estimate for miles per gallon from a log that you keep for fuel purchases, from an on-board computer, the advertised mpg, or just a rough estimate?	LOG (RECORDS)	1	1	1	1
E C26.		ON-BOARD COMPUTER	2	2	2	2
1, 158, 222, 586)		ADVERTISED MPG	3	3	3	3
		ROUGH ESTIMATE	4	4	4	4
		OTHER (SPECIFY)	5	5	5	5
		DON'T KNOW	6	6	6	6
→ A19.	Which of the following best describes the type of driving conditions for this vehicle: mostly stop-and-go, mostly open-road driving, or some combination of these?	STOP-AND-GO	1	1	1	1
E C27.		OPEN-ROAD	2	2	2	2
6, 224, 288, 588, 702)		COMBINATION	3	3	3	3
		OTHER (SPECIFY)	4	4	4	4
		DON'T KNOW	6	6	6	6
A20.	What is the age and sex of the household member who usually drives this vehicle?	AGE				
		95 OR OLDER	95	95	95	95
		DON'T KNOW AGE	96	96	96	96
		MALE	1	1	1	1
		FEMALE	2	2	2	2
		DON'T KNOW SEX	6	6	6	6
A21.	Is this vehicle ever used for even part of a commute to and from work? (IF "NO"/"DON'T KNOW," GO TO INSTRUCTIONS AFTER Q. A24.)	YES	1	1	1	1
		NO	0	0	0	0
		DON'T KNOW	6	6	6	6

Section C: Acquired Vehicle Stock Questions

C1. Do you or other members of your household own or have for your personal use any cars, trucks vans, or similar vehicles, [CONTINUE IF HOUSEHOLD HAD A VEHICLE TO START] in addition to those we've already discussed? (IF RESPONDENT IS NOT SURE, DESCRIBE EACH VEHICLE CURRENTLY OWNED BY THE HOUSEHOLD.)

1 YES -- ASK Q. C2

2 NO

6 DON'T KNOW — SKIP TO Q. D1

IF "YES," TO Q. C1 ASK:

C2. How many additional vehicles do you have?

1 ONE

2 TWO

3 THREE

4 FOUR OR MORE

6 DON'T KNOW -- SKIP TO Q. D1

ASK QS. C3 AND C4, FOR THE FIRST ADDITIONAL VEHICLE, THEN REPEAT THE TWO QUESTIONS FOR THE NEXT ADDITIONAL VEHICLE, AND SO ON.

C3. Please tell me the make, model name, and year of (this/the first, second, third, etc.) vehicle.

MAKE

DON'T KNOW
MAKE

MODEL NAME

DON'T KNOW MODEL

MODEL YEAR

DON'T KNOW YEAR

Vehicle

→ C4. Is this vehicle a . . . ? (READ CATEGORIES.)
4, 523, 532)

"MOTOR HOME" STAYS
AS "OTHER" (21)

Passenger car
Station wagon
Large van
Minivan
Pickup truck
Sport-utility
Other (SPECIFY)
DON'T KNOW

A	B	C	D
6	6	6	6
6	6	6	6
19__	19__	19__	19__
96	96	96	96
01	01	01	01
02	02	02	02
03	03	03	03
04	04	04	04
05	05	05	05
06	06	06	06
21	21	21	21
96	96	96	96

IF ANOTHER ADDITIONAL VEHICLE, ASK QS. C3 AND C4.

IF NO OTHER ADDITIONAL VEHICLE, ASK Q. C5 FOR THE FIRST VEHICLE.

INTERVIEWER INSTRUCTIONS:

Q. C3 A MODEL NAME MAY CONSIST OF SEVERAL PARTS BE SURE TO GET THE COMPLETE NAME. HERE ARE SOME EXAMPLES, WHERE THE COMPLETE MODEL NAME IS IN PARENTHESES: FORD (GALAXIE), CHEVROLET (V-10 SUBURBAN), GMC (V-15 JIMMY), TOYOTA (2WD CARGO VAN). IF RESPONDENT DOES NOT KNOW THE NAME OF A TRUCK, PROBE FOR SIZE (1/2 TON, 3/4 TON, ETC.)

Changes to CATI Data

[illegible]